

Question Description	Year	Total	Male	Female	White	Black	Hispanic
Apply concept of probability	1999	47.0(1.7)	50.0(1.9)	43.9(1.9)	50.8(2.0)	36.0(1.8)	28.1(4.3)
	1996	42.8(1.3)	46.9(2.0)	38.9(1.8)	47.4(1.6)	31.3(2.7)	27.5(3.4)
	1994	42.2(1.7)	47.1(2.1)	37.4(2.2)	46.3(1.8)	32.5(3.6)	30.5(4.5)
	1992	41.8(1.2)	43.6(1.7)	39.9(1.5)	44.4(1.1)	33.5(3.1)	28.2(2.0)
	1990	39.0(1.3)	40.1(1.7)	37.8(1.9)	40.9(1.7)	29.9(2.5)	34.6(3.4)
	1986	37.1(1.3)	39.4(1.9)	34.5(2.2)	38.3(1.5)	35.9(1.9)	25.4(3.9)
	1982	43.6(1.6)	43.8(2.4)	43.3(1.7)	45.2(1.9)	36.0(3.9)	34.8(3.6)
Read tally chart	1999	94.9(0.7)	93.8(0.9)	96.0(0.6)	97.1(0.5)	87.5(2.5)	90.0(2.6)
	1996	93.2(0.8)	94.2(0.8)	92.1(1.1)	96.4(0.6)	80.7(3.3)	88.8(1.8)
	1994	90.8(1.0)	91.9(1.1)	90.0(1.1)	95.1(0.6)	77.6(3.3)	82.6(3.6)
	1992	88.5(1.0)	87.9(1.1)	89.1(1.2)	92.2(0.7)	74.0(3.1)	77.8(4.0)
	1990	83.1(1.6)	83.2(1.7)	82.9(1.8)	88.2(1.4)	61.6(3.9)	75.6(5.5)
	1986	70.1(1.6)	71.1(1.7)	69.0(2.1)	74.8(1.8)	51.5(4.0)	57.2(8.2)
	1982	63.5(2.2)	63.7(2.1)	63.3(2.9)	68.4(2.2)	38.0(4.1)	57.5(3.8)
Interpret tally chart	1999	86.6(0.9)	87.1(1.2)	86.1(1.2)	89.1(0.9)	77.5(3.0)	78.6(3.1)
	1996	86.3(0.6)	86.3(1.0)	86.3(1.1)	89.0(0.8)	79.0(2.1)	81.3(3.0)
	1994	85.0(1.1)	84.5(1.3)	85.5(1.3)	88.2(1.0)	77.9(2.2)	69.9(4.6)
	1992	82.6(1.1)	83.5(1.4)	81.7(1.4)	86.2(0.9)	70.1(3.2)	68.9(2.8)
	1990	80.4(1.7)	79.8(1.9)	81.1(1.8)	83.6(1.4)	66.8(5.0)	73.6(4.2)
	1986	71.6(1.4)	72.3(1.6)	70.7(1.7)	74.5(1.6)	59.7(3.3)	65.2(6.1)
	1982	72.8(1.7)	71.4(2.1)	74.3(1.8)	76.0(2.0)	55.3(2.7)	67.8(4.3)
Interpret tally chart	1999	61.5(1.4)	64.2(1.6)	58.8(2.0)	66.1(1.7)	46.1(3.1)	48.9(4.1)
	1996	62.5(1.2)	64.7(1.2)	60.5(1.9)	68.6(1.2)	43.0(2.6)	49.3(3.9)
	1994	59.1(1.3)	61.2(1.9)	57.1(1.8)	65.4(1.1)	40.3(4.1)	38.0(4.9)
	1992	56.2(1.2)	56.3(1.6)	56.1(1.6)	60.8(1.4)	38.4(2.9)	41.9(4.0)
	1990	51.6(1.5)	52.7(2.1)	50.4(1.9)	56.5(1.7)	31.7(3.8)	39.0(3.7)
	1986	44.9(1.7)	46.7(2.1)	43.0(1.8)	49.6(1.9)	27.0(2.3)	29.0(5.6)
	1982	40.0(1.7)	40.6(2.3)	39.3(2.2)	44.4(2.0)	17.7(2.4)	30.5(3.7)
Read data from table	1999	79.4(1.1)	76.9(1.5)	81.7(1.2)	80.7(1.5)	74.8(2.2)	72.3(5.1)
	1996	80.3(1.1)	80.6(1.6)	80.1(1.2)	82.6(1.5)	75.1(3.0)	70.9(2.3)
	1994	80.6(1.1)	79.6(1.3)	81.8(1.6)	83.2(1.2)	73.9(2.8)	69.4(4.6)
	1992	80.0(1.2)	78.5(1.6)	81.3(1.4)	81.2(1.3)	76.4(1.8)	72.2(5.1)
	1990	81.3(1.1)	77.1(1.7)	85.3(1.4)	83.4(1.0)	73.8(3.2)	73.2(4.3)
	1986	76.0(1.4)	72.5(2.0)	79.3(1.5)	78.1(1.8)	67.6(3.6)	70.5(5.5)
	1982	76.2(1.3)	75.2(1.9)	77.2(1.3)	78.4(1.1)	65.3(3.1)	69.1(4.5)
Interpret data in table	1999	43.0(1.7)	44.2(1.9)	42.0(2.1)	49.3(2.0)	27.5(2.9)	24.6(4.5)
	1996	43.0(1.6)	45.1(2.3)	41.0(1.8)	48.2(1.6)	30.4(3.1)	28.8(4.3)
	1994	44.2(1.8)	47.0(2.1)	41.5(2.0)	50.5(2.1)	25.3(2.3)	22.2(3.9)
	1992	41.8(1.5)	41.2(2.1)	42.3(1.9)	46.7(1.4)	25.4(3.5)	23.3(4.6)
	1990	44.5(1.5)	43.0(1.6)	46.0(2.3)	49.7(1.9)	27.2(2.9)	28.5(4.3)
	1986	35.8(1.7)	36.3(2.3)	35.4(2.0)	40.1(2.3)	19.4(2.2)	23.3(4.1)
	1982	36.6(2.2)	36.0(2.2)	37.2(2.8)	40.9(2.7)	20.7(2.2)	19.4(3.5)

(\*\*\*) Standard error estimate is greater than 9.9

Question Description	Year	Total	Male	Female	White	Black	Hispanic
Compute using data in table	1999	65.6(1.4)	63.5(1.9)	67.5(1.7)	70.0(1.7)	52.4(3.6)	49.7(5.3)
	1996	65.9(2.1)	66.2(2.1)	65.7(2.7)	70.0(2.7)	52.5(3.6)	54.8(4.0)
	1994	67.6(1.6)	67.8(1.9)	67.6(2.0)	73.0(1.6)	52.8(3.8)	44.7(3.4)
	1992	64.3(1.3)	65.5(1.6)	63.2(1.5)	68.2(1.5)	51.2(2.2)	44.9(5.5)
	1990	67.8(1.4)	65.8(2.3)	69.6(1.6)	71.8(1.5)	53.6(4.0)	55.1(4.2)
	1986	60.9(1.9)	58.8(2.2)	62.9(2.0)	64.2(2.3)	47.9(2.4)	46.8(4.9)
	1982	54.9(1.8)	54.1(1.9)	55.7(2.5)	59.3(2.0)	33.4(2.7)	45.1(5.7)
Read data in bar graph	1999	83.1(1.0)	82.0(1.3)	84.2(1.1)	85.9(1.2)	73.7(1.9)	78.0(2.7)
	1996	81.5(1.0)	80.3(1.4)	82.7(1.4)	85.0(1.0)	71.6(2.6)	72.1(3.6)
	1994	82.4(1.2)	83.3(1.4)	81.6(1.5)	86.3(1.2)	71.1(4.2)	72.0(4.4)
	1992	82.8(0.8)	81.1(1.2)	84.5(1.4)	84.7(0.8)	75.8(2.0)	74.6(3.2)
	1990	82.7(1.1)	82.0(1.7)	83.4(1.2)	85.2(1.1)	73.3(3.2)	76.1(4.2)
	1986	75.8(1.2)	74.3(1.7)	77.5(1.3)	77.4(1.3)	71.0(3.0)	72.7(3.9)
	1982	67.0(1.7)	62.6(2.4)	71.2(1.9)	70.5(2.0)	47.8(5.1)	61.6(4.7)
Interpret data in bar graph	1999	46.6(1.2)	51.0(1.7)	42.2(1.3)	54.0(1.4)	26.8(2.9)	26.0(4.4)
	1996	44.9(1.5)	47.7(2.0)	42.2(1.7)	51.8(1.6)	24.8(3.4)	26.8(3.4)
	1994	44.9(1.7)	48.7(2.3)	41.2(1.9)	50.8(1.8)	30.9(2.8)	17.9(3.8)
	1992	43.4(1.5)	47.0(1.8)	39.8(2.0)	47.6(1.8)	29.7(2.2)	26.9(4.7)
	1990	42.1(1.7)	43.0(2.2)	41.2(2.4)	47.2(1.8)	27.6(3.1)	20.8(4.0)
	1986	33.4(1.3)	35.9(1.5)	30.7(1.5)	37.7(1.5)	16.9(2.0)	23.3(4.0)
	1982	26.2(1.9)	26.1(1.7)	26.3(2.7)	28.8(2.3)	16.2(2.0)	11.8(2.4)
Compute with data in bar graph	1999	57.4(1.8)	61.0(2.1)	53.7(2.2)	61.1(2.1)	43.1(2.9)	48.8(4.3)
	1996	55.8(1.3)	59.3(1.6)	52.6(1.9)	62.2(1.7)	36.7(3.3)	40.1(2.9)
	1994	57.3(1.1)	59.4(1.8)	55.4(1.5)	61.7(1.4)	49.3(3.2)	29.6(4.2)
	1992	57.8(1.4)	59.5(1.8)	56.1(1.6)	61.8(1.3)	42.9(3.1)	45.1(5.1)
	1990	55.2(1.7)	56.3(1.9)	54.1(2.3)	59.4(1.7)	39.9(2.8)	40.9(4.0)
	1986	49.1(1.4)	51.7(1.7)	46.3(1.7)	54.7(1.7)	29.3(2.1)	31.7(3.0)
	1982	34.9(1.5)	37.8(2.4)	32.1(2.4)	38.5(1.8)	16.8(1.9)	24.1(5.1)
Solve time problem	1999	72.4(1.2)	75.0(1.8)	69.8(1.2)	76.0(1.6)	57.5(2.2)	69.0(3.0)
	1996	71.8(1.3)	77.9(1.5)	66.2(2.2)	76.1(1.3)	57.7(3.5)	63.8(2.7)
	1994	71.2(1.1)	73.5(1.9)	68.8(1.2)	75.0(1.2)	60.5(3.4)	58.0(4.4)
	1992	71.5(1.2)	73.8(1.4)	69.3(1.5)	74.1(1.2)	58.6(2.3)	68.9(4.6)
	1990	72.4(1.3)	75.7(1.4)	69.1(1.9)	74.5(1.3)	63.0(4.0)	67.5(3.9)
	1986	65.3(1.5)	69.7(1.9)	60.6(1.9)	68.7(1.7)	49.8(2.5)	56.4(5.8)
	1982	57.6(1.5)	58.4(2.2)	56.8(2.1)	61.7(1.8)	36.6(2.5)	47.2(4.4)
Find perimeter of rectangle	1999	28.6(1.6)	29.5(1.9)	27.7(1.9)	30.2(1.7)	22.2(1.6)	25.7(4.7)
	1996	25.6(1.9)	25.2(2.5)	25.9(2.0)	28.4(2.3)	17.4(2.0)	19.4(4.3)
	1994	22.8(1.2)	23.0(1.9)	22.7(1.3)	25.1(1.4)	13.2(2.4)	17.6(4.0)
	1992	22.4(1.3)	23.9(1.6)	20.9(1.5)	24.1(1.6)	17.1(2.3)	15.8(2.4)
	1990	20.0(1.2)	23.7(1.8)	16.4(1.3)	21.0(1.3)	14.9(2.4)	18.2(2.6)
	1986	15.8(1.1)	16.6(1.4)	14.9(1.2)	17.5(1.2)	10.3(1.5)	9.8(3.2)
	1982	11.5(1.1)	12.7(1.6)	10.2(1.1)	11.0(1.3)	13.8(2.0)	11.5(2.2)

(\*\*\*) Standard error estimate is greater than 9.9

Question Description	Year	Total	Male	Female	White	Black	Hispanic
Find perimeter of rectangle	1999	35.4(2.0)	37.9(2.3)	33.2(2.3)	38.2(2.4)	27.1(2.4)	33.4(5.9)
	1996	34.4(1.8)	36.6(2.7)	32.4(1.9)	35.9(2.2)	30.7(4.0)	28.7(4.5)
	1994	28.9(2.0)	30.9(2.4)	27.1(2.4)	31.7(2.4)	22.2(2.6)	15.9(3.0)
	1992	25.1(1.6)	26.4(1.8)	23.8(1.9)	27.5(1.9)	14.8(2.3)	19.9(4.3)
	1990	24.9(1.6)	26.0(2.4)	24.0(1.5)	27.0(2.1)	17.0(2.4)	17.4(4.0)
	1986	18.5(1.2)	20.4(1.6)	16.7(1.2)	19.0(1.5)	16.9(2.5)	10.8(3.2)
	1982	24.8(1.7)	25.6(1.9)	24.0(2.4)	26.9(2.0)	12.9(1.7)	21.3(4.3)
Determine distance on map (Item not scaled)	1999	15.7(0.9)	16.4(1.5)	15.1(1.1)	16.0(1.1)	16.5(2.5)	15.4(2.4)
	1996	16.6(1.3)	17.8(1.4)	15.5(1.7)	16.1(1.6)	17.3(1.8)	21.5(2.8)
	1994	15.1(1.1)	14.2(1.6)	15.9(1.3)	14.7(1.2)	14.3(2.3)	18.3(2.0)
	1992	15.0(0.9)	15.3(1.1)	14.8(1.1)	13.6(1.0)	19.5(2.6)	22.1(3.3)
	1990	14.1(1.0)	14.1(1.4)	14.1(1.2)	13.5(1.1)	15.7(2.2)	14.8(3.0)
	1986	15.7(1.0)	15.5(1.4)	15.8(1.2)	14.8(1.3)	19.8(2.0)	17.1(3.2)
	1982	19.0(1.1)	19.0(1.6)	19.1(1.5)	17.7(1.2)	23.2(2.8)	30.0(2.4)
Understand place value	1999	76.0(1.2)	76.7(1.5)	75.3(1.7)	82.2(1.4)	59.3(3.3)	57.6(2.9)
	1996	77.0(1.7)	78.0(2.1)	75.9(1.8)	80.7(2.2)	66.0(3.3)	64.8(2.8)
	1994	73.9(2.4)	77.5(2.7)	70.5(2.6)	78.5(2.3)	58.4(3.7)	66.6(5.4)
	1992	74.2(1.1)	77.6(1.4)	71.1(1.3)	78.7(1.1)	56.8(3.5)	61.5(6.0)
	1990	75.7(1.4)	77.4(1.7)	74.1(1.9)	81.1(1.4)	56.5(4.0)	63.4(4.6)
	1986	70.3(1.4)	71.3(1.8)	69.5(1.7)	75.5(1.5)	50.5(2.3)	50.5(6.0)
	1982	73.0(1.8)	75.1(2.6)	71.0(2.0)	77.1(1.9)	55.3(3.1)	57.2(5.0)
Identify greatest number	1999	82.4(0.9)	82.0(1.2)	82.8(1.3)	85.8(0.9)	69.9(2.4)	73.7(3.1)
	1996	84.4(0.8)	84.5(1.3)	84.4(1.1)	87.2(0.9)	75.1(3.3)	79.7(2.3)
	1994	82.2(0.9)	84.7(1.3)	79.7(1.4)	84.9(0.9)	75.7(2.8)	68.8(3.4)
	1992	81.7(0.8)	81.9(1.2)	81.4(1.3)	84.3(1.0)	69.9(3.1)	73.8(3.6)
	1990	80.5(1.2)	81.0(1.4)	80.1(1.6)	83.1(1.2)	71.0(2.6)	78.5(2.6)
	1986	76.9(1.3)	77.0(1.5)	76.8(1.5)	78.1(1.5)	71.3(2.2)	76.5(3.7)
	1982	75.3(1.4)	73.9(1.3)	76.7(2.1)	77.1(1.5)	66.7(2.3)	69.6(5.0)
Relate part to whole	1999	36.6(1.9)	38.3(2.3)	34.9(2.5)	41.0(2.7)	24.7(2.5)	24.6(3.2)
	1996	33.6(2.0)	34.2(2.2)	33.1(2.4)	36.6(2.4)	23.1(3.3)	25.3(3.8)
	1994	30.1(1.9)	32.2(2.4)	28.2(2.5)	30.8(2.2)	27.8(3.5)	21.3(4.2)
	1992	29.4(1.1)	30.9(1.5)	28.0(1.3)	31.9(1.4)	20.3(2.7)	20.5(3.1)
	1990	29.6(1.8)	30.5(2.3)	28.7(2.3)	30.8(1.9)	26.9(2.8)	25.7(3.4)
	1986	31.5(1.4)	33.0(1.7)	30.0(1.6)	33.6(1.6)	23.9(2.6)	23.5(3.1)
	1982	42.1(1.6)	44.4(2.0)	39.8(2.2)	45.5(2.0)	29.3(1.7)	24.2(4.4)
Estimate large number	1999	68.7(1.1)	70.4(1.7)	67.1(1.6)	72.2(1.4)	55.4(1.8)	62.1(3.8)
	1996	70.1(1.4)	72.3(1.5)	68.1(2.2)	73.4(1.4)	61.7(3.0)	59.5(3.5)
	1994	66.5(1.2)	69.4(1.9)	63.8(1.4)	69.1(1.6)	59.6(2.8)	56.5(4.6)
	1992	66.2(1.2)	68.0(1.5)	64.3(1.6)	70.1(1.3)	49.6(3.6)	56.6(3.2)
	1990	65.3(1.2)	66.9(1.6)	63.6(1.6)	68.8(1.3)	51.7(3.3)	51.8(3.8)
	1986	62.3(0.9)	63.2(1.3)	61.3(1.3)	65.1(1.2)	49.1(2.2)	56.5(4.1)
	1982	63.1(1.7)	62.8(1.8)	63.4(2.2)	65.8(1.9)	50.1(2.9)	53.9(6.0)

(\*\*\*) Standard error estimate is greater than 9.9

Question Description	Year	Total	Male	Female	White	Black	Hispanic
Use property of transitivity	1999	74.7(1.4)	71.6(2.2)	77.5(1.3)	79.1(1.6)	59.1(3.1)	68.6(4.2)
	1996	75.6(1.3)	73.5(1.6)	77.5(1.9)	77.8(1.5)	68.3(2.7)	68.8(3.5)
	1994	75.6(1.9)	74.1(2.3)	77.1(2.3)	76.6(2.1)	75.0(3.3)	65.5(5.6)
	1992	73.2(1.6)	70.3(1.7)	75.9(2.0)	76.5(1.3)	59.7(4.5)	61.8(6.6)
	1990	76.8(1.2)	73.8(1.4)	79.7(1.5)	79.1(1.3)	68.9(3.1)	69.8(5.3)
	1986	72.6(1.8)	69.7(2.1)	75.3(2.1)	74.7(2.1)	61.7(3.7)	69.2(6.1)
	1982	78.0(1.2)	76.9(1.8)	79.0(1.2)	80.7(1.1)	64.8(3.8)	74.8(5.4)
Determine age relationship	1999	55.3(1.4)	58.4(1.4)	52.3(2.3)	59.1(1.7)	43.9(2.9)	45.7(3.2)
	1996	53.3(1.6)	57.5(2.1)	48.9(1.6)	56.7(1.7)	43.5(4.8)	42.6(4.6)
	1994	56.2(1.3)	57.8(2.1)	54.6(1.4)	60.3(1.5)	39.5(2.5)	39.7(4.1)
	1992	56.1(1.3)	60.5(1.7)	52.1(1.7)	59.6(1.5)	42.2(3.1)	46.6(4.4)
	1990	55.9(1.5)	55.9(1.9)	55.9(2.0)	59.6(1.5)	42.3(4.4)	43.3(2.9)
	1986	54.4(1.1)	57.3(1.3)	51.6(1.9)	57.2(1.4)	40.5(3.3)	55.1(3.7)
	1982	48.2(1.3)	49.2(1.8)	47.4(1.6)	50.6(1.4)	37.5(3.0)	42.5(3.9)
Identify valid conclusion	1999	67.1(1.3)	66.5(1.7)	67.7(1.8)	69.0(1.7)	63.2(2.9)	58.5(3.4)
	1996	61.4(1.4)	62.6(1.8)	60.1(1.9)	63.9(1.7)	52.7(2.8)	55.6(3.4)
	1994	62.7(1.6)	65.0(1.9)	60.7(2.2)	65.8(1.4)	54.5(3.4)	48.6(4.6)
	1992	63.1(1.0)	63.5(1.2)	62.6(1.5)	66.2(1.2)	54.2(2.7)	51.0(3.8)
	1990	65.7(1.2)	64.7(1.9)	66.7(1.9)	68.8(1.7)	57.6(3.4)	50.2(4.7)
	1986	63.4(1.5)	61.8(2.3)	65.0(1.7)	66.1(1.5)	53.3(3.3)	57.7(4.4)
	1982	60.2(1.5)	58.4(2.3)	61.8(1.8)	60.8(1.7)	57.4(2.6)	55.9(4.1)
Identify valid conclusion (Item not scaled)	1999	18.9(1.3)	18.2(1.1)	19.5(1.9)	20.2(1.7)	16.1(2.4)	16.2(3.0)
	1996	24.7(1.5)	24.7(1.5)	24.8(1.9)	24.5(2.1)	27.1(2.5)	23.5(2.8)
	1994	24.1(1.3)	24.4(1.5)	23.8(1.9)	24.5(1.6)	21.1(2.2)	27.1(3.9)
	1992	21.8(0.8)	20.3(1.1)	23.2(1.4)	22.6(1.0)	19.2(2.1)	22.3(3.2)
	1990	22.9(1.0)	22.9(1.4)	22.8(1.5)	22.7(1.2)	21.4(2.8)	26.6(3.1)
	1986	22.0(0.9)	20.5(1.3)	23.5(1.4)	22.0(1.0)	23.7(2.5)	18.6(2.8)
	1982	23.6(1.3)	24.2(1.7)	23.0(1.8)	24.5(1.5)	20.0(2.7)	21.1(2.1)
Read circle graph	1999	85.3(1.1)	84.3(1.5)	86.3(1.4)	88.8(1.2)	75.0(2.7)	72.6(4.3)
	1996	84.1(0.9)	83.0(1.0)	85.1(1.2)	87.5(1.2)	75.0(3.6)	73.6(2.3)
	1994	81.6(1.2)	80.1(1.7)	83.2(1.6)	85.1(1.2)	72.7(2.8)	62.3(5.1)
	1992	84.3(1.0)	83.1(1.2)	85.5(1.3)	87.1(1.0)	73.9(2.7)	73.1(4.6)
	1990	83.9(1.4)	82.0(1.7)	85.8(1.6)	86.9(1.3)	75.1(3.9)	73.1(4.6)
	1986	77.6(1.4)	77.4(1.6)	77.7(1.6)	80.5(1.5)	70.1(2.7)	62.3(5.6)
	1982	82.6(1.2)	80.9(1.6)	84.3(1.3)	85.8(1.2)	67.4(2.5)	76.5(6.1)
Interpret data in circle graph	1999	74.1(1.5)	72.0(1.6)	76.2(2.1)	78.8(1.4)	59.9(3.3)	60.4(4.1)
	1996	69.6(1.4)	67.8(2.0)	71.3(1.8)	74.8(1.6)	58.3(4.0)	52.2(4.6)
	1994	70.3(1.6)	66.9(2.2)	73.6(1.7)	75.6(1.9)	54.2(3.0)	49.5(5.3)
	1992	72.4(1.2)	68.9(1.9)	76.0(1.3)	75.8(1.3)	63.8(3.0)	54.8(4.9)
	1990	72.2(1.5)	69.9(1.9)	74.5(1.8)	76.1(1.6)	60.6(3.6)	61.2(3.9)
	1986	60.5(1.8)	57.6(1.9)	63.7(2.0)	63.6(1.8)	50.1(2.9)	49.9(8.1)
	1982	72.8(1.5)	70.2(1.7)	75.4(1.9)	76.0(1.2)	54.6(3.9)	73.0(5.3)

(\*\*\*) Standard error estimate is greater than 9.9

Question Description	Year	Total	Male	Female	White	Black	Hispanic
Estimate weight (metric)	1999	23.9(1.7)	25.6(1.6)	22.4(2.2)	23.5(2.2)	25.0(3.1)	19.6(3.3)
	1996	23.1(1.4)	24.7(1.7)	21.4(1.8)	22.9(1.9)	20.5(2.1)	26.3(2.8)
	1994	23.4(1.9)	27.3(2.0)	19.6(2.2)	22.6(2.4)	26.1(3.2)	21.4(4.0)
	1992	24.4(1.3)	26.9(1.7)	22.1(1.7)	24.2(1.4)	25.1(3.2)	21.6(3.0)
	1990	23.0(1.2)	25.6(1.6)	20.6(1.6)	22.6(1.4)	22.2(2.3)	30.6(5.3)
	1986	24.5(1.3)	29.0(1.6)	20.2(1.7)	23.7(1.3)	29.5(3.7)	22.6(4.6)
	1982	37.2(1.7)	38.9(2.0)	35.3(2.3)	35.4(2.0)	45.0(2.5)	40.8(5.1)
Identify greatest metric unit	1999	33.8(2.4)	37.1(2.8)	30.9(2.7)	37.4(3.1)	24.1(2.5)	25.1(2.4)
	1996	35.0(1.9)	36.9(2.4)	33.2(2.3)	38.3(2.4)	26.1(3.4)	28.5(3.6)
	1994	41.3(2.5)	46.7(2.5)	36.2(2.9)	44.6(2.5)	31.0(5.3)	24.3(4.2)
	1992	41.9(1.8)	45.9(2.3)	38.3(2.4)	44.3(2.2)	34.5(3.1)	28.8(2.9)
	1990	38.4(2.3)	41.5(2.8)	35.5(2.4)	41.1(2.6)	26.0(2.9)	34.0(4.9)
	1986	28.5(1.8)	32.4(1.9)	24.8(2.2)	30.0(1.9)	22.0(2.8)	23.7(4.9)
	1982	38.5(1.9)	41.0(1.7)	36.1(2.5)	39.5(2.2)	36.6(3.3)	31.2(2.3)
Read scale	1999	85.6(1.0)	87.9(1.2)	83.3(1.4)	89.4(1.0)	69.0(2.0)	86.2(3.0)
	1996	86.7(1.1)	87.6(1.5)	85.7(1.6)	88.5(1.0)	80.1(3.0)	81.8(4.4)
	1994	86.4(0.7)	87.9(0.8)	85.1(1.2)	88.5(0.7)	75.6(3.0)	81.9(3.7)
	1992	86.8(0.9)	87.3(1.1)	86.3(1.1)	90.1(0.8)	74.2(3.0)	80.4(3.4)
	1990	87.2(1.1)	87.0(1.4)	87.5(1.3)	90.7(0.9)	72.1(4.9)	80.3(2.9)
	1986	83.8(1.0)	85.2(1.3)	82.3(1.2)	87.5(1.0)	68.3(2.6)	75.4(3.4)
	1982	79.5(1.2)	79.2(1.4)	79.8(1.5)	84.3(0.9)	57.1(2.8)	70.1(2.8)
Identify greatest money value	1999	75.4(1.3)	74.6(1.7)	76.1(1.5)	81.0(1.4)	63.2(3.5)	49.7(4.5)
	1996	74.8(1.3)	77.9(1.6)	71.6(1.9)	80.3(1.4)	59.8(3.3)	57.8(4.6)
	1994	77.5(1.2)	80.2(1.4)	74.9(1.8)	82.1(1.3)	64.3(3.2)	58.3(5.1)
	1992	73.2(1.2)	76.5(1.6)	70.2(1.5)	78.6(1.1)	54.1(2.7)	52.4(4.1)
	1990	77.5(1.1)	79.8(1.6)	75.3(1.6)	82.1(1.2)	62.5(3.2)	65.6(4.3)
	1986	74.4(1.4)	76.5(1.9)	72.4(1.6)	79.1(1.6)	56.5(3.5)	63.6(5.3)
	1982	74.3(1.5)	76.7(1.6)	72.1(1.8)	78.9(1.4)	54.7(3.1)	57.7(5.4)
Identify greatest money value	1999	58.4(1.6)	59.8(2.2)	57.2(1.9)	63.9(1.9)	47.8(2.7)	30.2(3.5)
	1996	58.3(1.3)	62.6(2.0)	54.1(1.6)	62.3(1.4)	46.4(3.4)	46.5(3.8)
	1994	62.4(1.4)	67.0(1.6)	58.1(2.0)	67.2(1.5)	48.1(3.4)	48.8(6.0)
	1992	57.3(1.4)	61.2(1.6)	53.7(1.7)	62.9(1.5)	36.4(2.1)	38.3(4.5)
	1990	61.6(1.5)	63.8(1.9)	59.5(2.0)	66.6(1.9)	44.0(3.1)	53.3(4.6)
	1986	56.7(1.9)	58.8(2.3)	54.7(2.5)	60.9(1.9)	40.8(4.4)	38.4(4.7)
	1982	57.5(1.5)	59.2(2.3)	55.9(1.9)	62.2(1.5)	37.4(3.1)	38.0(4.5)
Solve money problem	1999	44.4(1.3)	42.3(1.7)	46.2(1.8)	48.4(1.5)	34.0(3.5)	29.0(3.4)
	1996	44.2(1.9)	45.5(2.1)	43.0(2.1)	47.3(1.8)	33.5(3.9)	36.6(4.0)
	1994	47.7(1.7)	49.4(2.0)	46.2(2.5)	51.3(2.0)	34.7(2.6)	35.5(6.1)
	1992	43.1(1.2)	47.4(1.7)	39.3(1.7)	46.9(1.3)	29.1(3.2)	28.7(4.6)
	1990	43.2(1.4)	43.2(1.9)	43.2(1.7)	46.8(1.6)	29.7(3.5)	30.5(3.9)
	1986	37.9(1.3)	37.2(1.7)	38.6(2.0)	42.5(1.6)	21.8(2.7)	22.6(2.3)
	1982	34.2(1.4)	33.8(1.5)	34.6(2.0)	36.5(1.4)	23.3(2.2)	26.8(3.5)

(\*\*\*) Standard error estimate is greater than 9.9

Question Description	Year	Total	Male	Female	White	Black	Hispanic
Solve money problem (Calculator item - not scaled)	1999	39.0(1.7)	41.9(2.4)	36.1(1.9)	44.6(2.1)	21.2(2.1)	25.4(3.0)
	1996	43.6(1.6)	45.6(2.0)	41.5(2.0)	47.9(1.9)	32.7(3.4)	26.0(4.7)
	1994	43.3(2.1)	42.7(2.8)	44.2(2.1)	46.9(2.3)	24.2(3.3)	36.6(4.5)
	1992	39.3(1.1)	41.7(1.6)	37.1(1.6)	43.9(1.4)	21.3(2.5)	21.5(3.4)
	1990	35.1(1.9)	35.4(2.0)	34.8(2.3)	38.7(2.1)	21.1(4.2)	23.6(4.0)
	1986	29.9(1.6)	31.6(2.3)	28.3(1.7)	32.7(1.9)	20.3(2.8)	17.9(3.6)
	1982	28.9(1.6)	31.5(1.7)	26.4(2.0)	31.9(2.0)	15.4(2.3)	15.9(3.2)
Find area of rectangle	1999	12.2(1.1)	12.0(1.2)	12.3(1.5)	12.8(1.4)	7.7(1.8)	9.0(2.7)
	1996	13.7(1.5)	14.1(1.5)	13.3(2.0)	14.6(1.8)	11.1(2.3)	9.1(2.8)
	1994	9.8(0.7)	9.2(1.0)	10.5(1.1)	9.8(0.9)	10.9(2.1)	4.9(1.4)
	1992	9.5(0.9)	9.8(1.1)	9.1(1.1)	9.1(0.9)	10.8(2.5)	8.9(3.2)
	1990	9.9(1.4)	9.3(1.4)	10.4(1.9)	10.1(1.6)	7.9(2.1)	5.5(2.1)
	1986	9.2(1.0)	8.6(1.1)	9.8(1.3)	9.6(1.3)	8.4(1.7)	3.5(1.8)
	1982	8.4(1.1)	7.8(1.3)	8.9(1.6)	9.0(1.4)	4.2(1.2)	7.9(3.1)
Find area of rectangle	1999	37.0(2.1)	36.9(2.6)	37.1(2.0)	40.2(2.3)	26.5(3.0)	32.5(4.3)
	1996	37.3(2.1)	36.7(2.8)	37.9(2.1)	38.7(2.8)	34.4(3.4)	28.7(4.6)
	1994	35.5(1.2)	35.1(1.9)	36.0(1.7)	37.2(1.5)	29.6(3.6)	30.7(3.6)
	1992	32.9(1.6)	35.2(2.0)	30.8(2.0)	34.5(1.8)	29.8(3.5)	21.3(3.6)
	1990	33.6(1.5)	34.2(2.0)	33.0(1.8)	35.4(1.7)	29.8(2.9)	19.6(3.6)
	1986	29.3(1.3)	30.6(1.8)	28.0(1.6)	30.1(1.3)	25.8(3.9)	22.1(3.3)
	1982	24.8(1.6)	26.2(2.2)	23.5(1.9)	25.0(1.9)	21.5(3.0)	24.3(4.1)
Apply property of square	1999	62.9(1.2)	62.7(2.5)	63.0(1.9)	69.0(1.5)	44.4(2.9)	51.8(3.8)
	1996	61.9(2.1)	62.1(2.8)	61.7(2.5)	66.0(2.4)	46.2(4.1)	53.3(3.3)
	1994	65.4(1.5)	63.5(2.1)	67.3(2.2)	72.1(1.4)	40.6(3.7)	54.6(5.2)
	1992	60.4(1.3)	60.9(1.7)	60.0(1.8)	65.7(1.5)	40.2(3.6)	46.1(3.9)
	1990	64.8(1.5)	64.4(1.9)	65.2(1.8)	70.4(1.3)	44.6(3.9)	53.8(4.2)
	1986	62.4(1.5)	62.0(1.6)	62.7(2.1)	68.1(1.5)	41.7(2.9)	42.8(4.5)
	1982	64.5(1.7)	63.0(2.0)	66.0(2.1)	69.4(1.9)	41.1(3.1)	54.0(5.4)
Solve number sentence	1999	93.8(0.6)	92.9(1.1)	94.6(0.8)	95.0(0.7)	88.9(1.6)	93.6(1.2)
	1996	93.1(0.7)	93.3(0.8)	92.8(1.1)	94.0(0.9)	89.2(2.0)	92.7(1.9)
	1994	91.2(1.8)	91.5(1.6)	90.9(2.1)	92.6(1.8)	86.5(3.3)	92.2(1.8)
	1992	94.5(0.8)	94.2(1.0)	94.8(0.8)	95.4(0.7)	90.6(1.7)	91.7(4.2)
	1990	94.7(0.7)	94.1(1.0)	95.3(0.9)	95.4(0.6)	92.0(1.9)	93.8(2.1)
	1986	92.3(0.6)	92.0(0.9)	92.7(0.9)	93.9(0.8)	85.1(2.0)	88.5(3.1)
	1982	90.7(0.8)	88.5(1.1)	92.8(0.9)	92.4(0.8)	82.9(2.2)	85.0(3.0)
Solve number sentence	1999	57.4(1.7)	59.4(2.0)	55.4(2.0)	60.1(1.8)	45.6(3.7)	53.6(4.7)
	1996	58.1(1.4)	59.6(1.8)	56.8(1.6)	61.4(1.6)	44.8(2.9)	51.3(3.9)
	1994	54.4(1.5)	54.8(2.5)	54.3(1.4)	58.5(1.9)	42.7(3.1)	36.1(4.8)
	1992	51.3(1.4)	52.6(1.6)	50.0(1.8)	54.5(1.4)	37.1(2.9)	45.5(4.1)
	1990	47.0(1.4)	46.9(2.0)	47.0(1.8)	49.5(1.5)	37.1(2.7)	38.3(4.5)
	1986	50.5(1.8)	51.9(2.1)	48.9(2.0)	52.4(2.1)	44.9(3.3)	40.0(8.6)
	1982	55.9(1.8)	53.9(2.0)	57.9(2.6)	57.9(2.0)	47.0(2.8)	45.5(6.3)

(\*\*\*) Standard error estimate is greater than 9.9

Question Description	Year	Total	Male	Female	White	Black	Hispanic
Understand place value	1999	78.4(1.5)	80.2(1.8)	76.6(1.9)	81.4(1.6)	72.6(3.1)	66.8(4.1)
	1996	80.0(1.2)	80.7(1.4)	79.4(2.1)	82.9(1.4)	72.6(3.7)	64.3(8.1)
	1994	79.0(1.1)	79.1(1.3)	78.8(1.6)	81.0(1.0)	71.8(3.7)	70.3(4.5)
	1992	81.4(1.1)	82.2(1.3)	80.7(1.4)	83.2(0.9)	75.0(3.5)	74.4(3.8)
	1990	78.8(1.4)	78.6(1.8)	79.1(1.8)	81.5(1.5)	66.4(3.8)	70.5(3.3)
	1986	72.7(1.5)	71.9(1.7)	73.5(2.0)	74.5(1.7)	68.3(2.3)	62.3(6.8)
	1982	76.6(1.8)	74.7(2.1)	78.7(2.3)	78.3(2.1)	70.0(3.3)	66.4(5.5)
Understand place value	1999	67.5(1.5)	65.9(2.1)	68.9(1.5)	73.6(1.6)	50.3(3.1)	51.2(5.6)
	1996	67.6(1.4)	68.8(1.7)	66.5(2.1)	70.8(1.7)	60.9(3.8)	53.7(3.9)
	1994	67.1(2.2)	66.7(2.5)	67.5(2.4)	71.3(2.3)	56.5(3.1)	46.9(5.4)
	1992	62.3(1.5)	63.7(1.8)	60.9(1.7)	66.9(1.4)	44.9(3.2)	45.6(6.5)
	1990	64.6(1.7)	64.6(2.3)	64.6(1.8)	67.9(2.0)	51.1(3.9)	61.8(4.4)
	1986	59.3(1.6)	57.4(2.0)	61.1(1.9)	62.5(2.0)	46.2(4.6)	49.5(4.5)
	1982	63.0(2.1)	61.7(2.3)	64.4(2.5)	65.8(2.5)	50.0(3.3)	50.7(2.8)
Apply multiplication	1999	94.4(0.7)	94.6(0.9)	94.1(0.7)	95.5(0.6)	89.9(2.0)	92.0(1.7)
	1996	93.4(0.8)	93.6(1.0)	93.3(1.0)	95.6(0.7)	86.7(2.7)	88.0(3.2)
	1994	93.7(0.6)	93.0(1.0)	94.3(0.8)	94.5(0.6)	90.5(1.8)	91.2(1.4)
	1992	94.4(0.6)	94.5(0.7)	94.3(0.7)	96.1(0.5)	88.6(1.6)	89.6(2.6)
	1990	94.3(0.7)	93.9(0.9)	94.6(1.1)	95.6(0.7)	89.0(1.9)	91.4(2.8)
	1986	91.8(0.6)	92.2(0.9)	91.3(0.7)	93.3(0.7)	87.1(1.8)	88.3(3.2)
	1982	92.7(0.7)	92.0(1.1)	93.4(0.9)	94.4(0.5)	86.2(2.7)	85.8(2.7)
Translate words to numbers	1999	88.7(1.2)	87.0(1.7)	90.4(1.0)	91.3(1.2)	79.9(2.8)	84.0(2.6)
	1996	86.4(1.2)	86.3(1.5)	86.6(1.5)	88.3(1.5)	80.5(2.4)	80.2(4.6)
	1994	88.2(1.0)	87.7(1.3)	88.7(1.1)	89.4(1.1)	83.8(2.3)	81.2(3.6)
	1992	91.0(0.7)	90.8(0.9)	91.2(1.0)	93.1(0.7)	83.6(2.1)	84.7(2.4)
	1990	90.0(1.1)	88.6(1.3)	91.4(1.3)	92.4(0.9)	81.4(4.0)	80.0(4.0)
	1986	84.4(1.1)	81.8(1.7)	86.9(1.0)	87.6(1.2)	74.0(2.7)	71.3(4.5)
	1982	87.8(0.7)	84.7(1.1)	91.0(0.7)	89.0(0.7)	80.5(2.2)	86.5(2.7)
Identify true statement	1999	77.3(1.4)	77.0(1.7)	77.6(1.8)	80.5(1.6)	67.9(3.1)	62.5(5.4)
	1996	76.0(1.2)	77.2(1.6)	75.0(1.6)	79.9(1.4)	66.9(2.8)	65.0(4.8)
	1994	76.0(1.5)	76.1(1.7)	75.8(2.2)	79.2(1.6)	65.0(4.0)	64.2(5.6)
	1992	77.7(1.1)	76.4(1.4)	78.9(1.6)	79.7(1.1)	67.8(2.8)	74.7(3.9)
	1990	77.2(1.3)	75.9(2.0)	78.5(1.8)	79.4(1.3)	71.9(2.7)	63.6(5.8)
	1986	69.8(1.9)	71.0(1.8)	68.6(2.6)	72.6(2.2)	59.9(3.5)	61.2(7.5)
	1982	75.7(2.1)	74.4(2.4)	77.1(2.1)	78.1(2.4)	68.4(3.0)	60.0(6.0)
Write multiplication sentence	1999	77.0(1.9)	77.5(1.8)	76.5(2.7)	80.6(2.2)	62.4(2.8)	70.6(3.2)
	1996	72.8(1.4)	72.0(1.8)	73.6(1.7)	76.8(1.4)	59.6(3.3)	62.2(3.6)
	1994	73.8(1.6)	71.6(2.3)	75.8(1.6)	77.3(1.7)	68.2(3.4)	56.6(4.2)
	1992	71.2(1.7)	70.0(1.7)	72.4(2.2)	74.0(1.9)	59.6(3.0)	59.2(4.4)
	1990	70.6(1.6)	69.7(2.0)	71.5(1.9)	73.0(1.6)	62.1(3.7)	58.7(4.5)
	1986	66.3(1.6)	66.9(1.7)	65.8(2.1)	69.4(2.1)	57.5(2.8)	54.0(5.2)
	1982	67.0(2.1)	63.4(2.1)	70.3(2.8)	71.0(2.3)	48.6(3.1)	54.4(5.8)

(\*\*\*) Standard error estimate is greater than 9.9

Question Description	Year	Total	Male	Female	White	Black	Hispanic
Divide whole numbers	1999	73.5(1.9)	73.2(2.2)	73.9(1.9)	75.2(2.0)	63.4(3.1)	74.4(3.5)
	1996	76.5(1.6)	75.3(2.0)	77.8(1.8)	78.6(1.9)	68.4(3.0)	71.4(3.2)
	1994	73.7(1.7)	72.9(2.3)	74.7(1.7)	74.3(1.8)	76.1(4.1)	62.1(5.4)
	1992	72.2(1.7)	72.6(1.9)	71.8(2.0)	73.0(1.7)	66.9(4.0)	69.5(4.2)
	1990	72.3(1.8)	70.3(2.0)	74.3(2.0)	72.3(1.9)	70.9(3.3)	64.7(4.2)
	1986	72.7(1.6)	71.1(1.9)	74.4(1.8)	72.6(1.7)	75.2(3.2)	68.4(7.2)
	1982	74.4(1.3)	72.8(1.7)	76.1(1.6)	76.0(1.7)	65.7(2.5)	70.8(4.8)
Divide whole numbers	1999	23.1(2.0)	25.6(2.1)	20.5(2.2)	23.6(2.1)	16.3(2.7)	21.0(3.5)
	1996	25.6(1.8)	28.0(2.3)	23.3(1.9)	28.2(2.2)	14.8(3.3)	20.6(3.3)
	1994	26.1(2.4)	27.0(2.9)	25.3(2.4)	27.9(2.8)	21.4(3.9)	15.0(2.7)
	1992	26.5(1.9)	27.6(1.9)	25.4(2.2)	27.8(2.0)	17.6(2.7)	22.1(4.8)
	1990	25.9(1.9)	26.5(2.0)	25.4(2.2)	26.6(2.2)	20.9(2.8)	21.2(3.0)
	1986	18.8(1.2)	19.5(1.8)	18.2(1.3)	19.4(1.4)	18.4(4.1)	11.0(4.4)
	1982	14.2(1.5)	14.5(1.5)	14.0(1.9)	14.3(1.8)	11.5(1.6)	14.7(3.6)
Divide whole numbers (Calculator item - not scaled)	1999	80.9(1.4)	77.9(1.9)	83.9(1.5)	82.2(1.7)	74.4(2.8)	80.4(2.3)
	1996	77.3(1.6)	76.8(1.8)	77.9(1.7)	77.1(1.7)	75.5(2.5)	74.2(6.2)
	1994	80.5(1.4)	79.2(1.7)	81.9(1.7)	80.4(1.5)	78.7(4.7)	77.5(3.6)
	1992	80.5(1.2)	79.9(1.4)	80.9(1.7)	82.0(1.4)	74.6(2.4)	71.6(4.3)
	1990	77.3(1.5)	70.8(2.0)	84.0(1.6)	79.0(1.5)	67.0(3.9)	79.3(2.8)
	1986	73.9(1.0)	71.0(1.6)	76.7(1.3)	75.7(1.2)	66.4(2.4)	66.7(5.4)
	1982	77.7(1.8)	74.8(1.7)	80.7(2.6)	79.6(1.8)	67.9(3.6)	73.2(6.6)
Divide whole numbers (Calculator item - not scaled)	1999	73.3(1.6)	69.7(2.2)	76.8(1.9)	75.8(2.1)	62.2(2.4)	72.7(3.4)
	1996	71.8(1.8)	70.9(2.6)	72.8(1.9)	72.1(2.1)	69.3(2.9)	67.0(4.9)
	1994	74.5(1.8)	72.5(2.3)	76.4(2.0)	75.6(1.9)	71.1(5.2)	64.7(4.2)
	1992	74.1(1.4)	71.4(1.7)	76.5(1.8)	76.6(1.5)	64.6(3.3)	63.1(4.1)
	1990	69.3(1.5)	63.9(2.2)	74.9(1.9)	72.3(1.3)	56.0(4.2)	65.3(3.3)
	1986	64.0(1.6)	58.3(2.1)	69.5(1.8)	66.6(1.5)	51.8(4.5)	58.1(6.9)
	1982	67.8(2.1)	63.7(2.4)	71.9(2.4)	70.1(2.6)	52.7(3.2)	66.9(5.6)
Apply operation of subtraction	1999	78.0(0.9)	78.2(1.3)	77.8(1.3)	84.9(1.1)	59.1(2.7)	61.0(4.5)
	1996	76.1(1.6)	76.6(1.6)	75.6(2.4)	81.4(1.5)	56.9(3.4)	63.6(3.2)
	1994	78.7(1.5)	80.2(1.6)	77.4(1.9)	84.9(1.2)	54.8(3.8)	68.1(4.8)
	1992	75.8(1.3)	78.5(1.5)	73.3(1.5)	82.6(1.2)	50.8(3.1)	57.3(5.0)
	1990	75.9(1.2)	78.1(1.4)	73.8(1.7)	82.7(1.0)	51.7(3.3)	61.9(4.7)
	1986	70.6(1.5)	70.4(2.1)	70.7(1.7)	76.1(1.7)	47.0(3.0)	61.7(6.0)
	1982	71.5(2.1)	73.0(2.2)	70.2(2.5)	77.3(2.3)	47.4(2.8)	50.6(3.5)
Determine amount of change	1999	81.0(0.9)	84.2(1.2)	77.8(1.1)	84.4(1.1)	70.0(2.2)	75.2(2.0)
	1996	83.2(1.0)	86.1(1.2)	80.5(1.4)	87.7(0.9)	67.0(2.9)	73.5(2.7)
	1994	83.5(1.0)	85.9(1.4)	81.0(1.5)	86.2(1.1)	76.1(3.3)	67.9(3.4)
	1992	82.7(1.0)	85.6(1.4)	79.8(1.1)	86.0(1.0)	70.2(2.2)	73.8(3.1)
	1990	83.5(1.0)	85.0(1.4)	82.1(1.3)	86.6(1.0)	71.4(2.9)	74.1(3.7)
	1986	81.2(1.0)	84.7(1.4)	77.4(1.3)	84.2(1.0)	68.3(3.6)	75.9(4.6)
	1982	82.6(1.1)	83.7(1.3)	81.4(1.8)	85.4(1.2)	70.0(4.3)	71.7(3.6)

(\*\*\*) Standard error estimate is greater than 9.9

Question Description	Year	Total	Male	Female	White	Black	Hispanic
Add whole numbers	1999	95.7(0.6)	95.6(0.9)	95.9(0.8)	96.5(0.7)	92.4(1.7)	95.4(1.6)
	1996	96.1(0.4)	95.2(0.5)	96.9(0.7)	96.6(0.5)	95.3(1.3)	94.1(1.5)
	1994	95.6(0.9)	96.1(0.8)	95.1(1.1)	96.6(0.8)	94.0(1.6)	92.3(2.2)
	1992	95.9(0.5)	95.8(0.8)	96.0(0.5)	96.3(0.6)	94.3(1.2)	94.8(1.7)
	1990	96.6(0.4)	96.7(0.6)	96.5(0.6)	97.4(0.4)	93.8(1.4)	90.8(1.6)
	1986	95.9(0.4)	94.5(0.7)	97.1(0.5)	96.1(0.5)	95.7(0.9)	94.4(1.6)
	1982	89.8(0.9)	89.9(1.4)	89.6(1.1)	90.2(1.0)	86.0(2.3)	91.5(1.4)
Add whole numbers	1999	87.4(1.0)	84.5(1.4)	89.9(1.3)	89.3(1.1)	79.9(2.8)	84.5(2.5)
	1996	88.3(0.8)	86.9(1.2)	89.7(1.2)	90.3(0.9)	81.2(2.1)	84.6(1.7)
	1994	87.2(1.3)	86.3(1.7)	88.2(1.4)	89.4(1.3)	81.1(2.7)	77.9(4.5)
	1992	88.5(0.7)	87.4(1.0)	89.6(0.8)	89.7(0.8)	81.9(2.4)	88.6(4.0)
	1990	89.7(0.9)	89.4(1.2)	90.1(1.1)	91.7(0.9)	83.0(2.4)	82.9(3.7)
	1986	86.6(1.0)	83.8(1.2)	89.3(1.2)	88.0(1.1)	79.1(2.6)	86.1(2.6)
	1982	83.8(0.9)	81.8(1.5)	85.9(1.3)	85.8(1.0)	72.9(2.6)	82.2(3.1)
Add whole numbers	1999	52.2(1.1)	49.8(1.3)	54.4(1.7)	54.4(1.2)	43.3(3.7)	42.5(4.7)
	1996	52.0(1.7)	48.8(1.9)	55.1(2.2)	54.5(2.0)	41.9(3.2)	44.3(3.4)
	1994	51.1(1.2)	47.2(1.8)	54.7(1.9)	53.0(1.4)	42.8(2.4)	50.8(3.7)
	1992	52.0(1.2)	49.0(1.6)	54.7(1.7)	54.2(1.4)	43.1(2.9)	45.6(3.8)
	1990	53.6(1.5)	50.0(2.0)	56.9(1.7)	56.4(1.7)	41.4(2.7)	46.8(4.0)
	1986	53.1(1.8)	47.4(2.3)	58.4(2.1)	55.6(2.3)	42.3(2.8)	44.2(4.0)
	1982	46.4(1.5)	42.3(1.5)	50.8(2.2)	50.4(1.6)	28.6(3.4)	33.0(4.3)
Add whole numbers (Calculator item - not scaled)	1999	95.6(0.6)	95.8(0.8)	95.4(1.0)	96.1(0.7)	92.8(1.7)	96.2(1.4)
	1996	96.2(0.4)	95.3(0.7)	97.1(0.5)	96.0(0.6)	96.0(1.5)	95.5(2.0)
	1994	95.9(0.6)	95.3(0.8)	96.7(0.6)	96.1(0.6)	94.2(2.2)	96.2(1.0)
	1992	96.4(0.4)	96.0(0.6)	96.8(0.4)	96.7(0.5)	95.7(1.0)	94.4(1.6)
	1990	94.3(0.7)	93.3(0.8)	95.2(0.9)	94.4(0.7)	92.7(1.5)	94.3(2.4)
	1986	93.5(0.7)	91.5(0.9)	95.4(0.7)	94.3(0.9)	90.0(1.3)	89.0(2.3)
	1982	94.4(0.6)	93.2(0.8)	95.5(0.8)	95.7(0.7)	89.8(1.6)	87.3(2.5)
Add whole numbers (Calculator item - not scaled)	1999	93.4(0.7)	92.2(1.0)	94.7(0.6)	94.7(0.8)	87.9(2.5)	93.6(1.7)
	1996	93.7(0.7)	93.6(0.7)	93.7(0.9)	94.4(0.7)	91.7(2.3)	92.6(1.9)
	1994	93.7(0.6)	93.1(0.9)	94.3(0.7)	94.1(0.6)	92.1(1.8)	90.1(2.7)
	1992	94.6(0.5)	94.0(1.0)	95.2(0.6)	95.3(0.6)	92.7(1.0)	89.9(1.7)
	1990	90.3(0.9)	88.9(1.2)	91.7(1.1)	91.5(0.9)	83.1(2.4)	89.5(2.7)
	1986	90.7(0.8)	90.4(1.0)	91.0(1.2)	92.3(1.0)	85.2(1.6)	86.8(2.1)
	1982	89.4(1.0)	88.9(1.1)	89.9(1.2)	92.5(0.6)	75.5(3.4)	80.9(3.4)
Add whole numbers (Calculator item - not scaled)	1999	72.0(1.3)	70.3(1.6)	73.8(1.6)	74.9(1.3)	61.4(3.0)	68.0(3.3)
	1996	70.3(1.4)	68.7(2.0)	72.1(1.6)	70.4(1.7)	69.5(3.4)	67.7(3.2)
	1994	70.8(1.3)	68.5(1.9)	73.0(2.0)	72.9(1.6)	63.7(3.5)	61.4(3.2)
	1992	69.1(1.2)	66.1(1.6)	71.8(1.5)	72.7(1.2)	56.4(2.6)	59.1(3.4)
	1990	65.1(1.7)	62.3(2.1)	68.0(1.9)	68.9(1.6)	46.9(5.0)	62.4(4.3)
	1986	56.0(1.7)	54.5(1.9)	57.5(2.1)	59.0(1.8)	46.8(3.1)	43.7(4.8)
	1982	54.7(1.9)	53.2(2.2)	56.1(2.4)	59.5(2.1)	34.3(3.2)	34.6(4.5)

(\*\*\*) Standard error estimate is greater than 9.9

Question Description	Year	Total	Male	Female	White	Black	Hispanic
Apply operation of addition	1999	87.9(1.0)	84.6(1.5)	90.9(1.1)	89.7(1.0)	82.7(2.5)	81.5(3.9)
	1996	87.6(1.2)	86.7(1.3)	88.4(1.5)	89.3(1.3)	84.2(1.8)	79.3(3.6)
	1994	89.5(1.0)	89.7(1.3)	89.3(1.2)	91.7(0.9)	84.0(1.7)	82.3(4.3)
	1992	89.5(0.7)	88.7(0.9)	90.3(1.1)	90.6(0.8)	85.2(2.5)	87.4(2.7)
	1990	91.4(0.9)	90.5(1.3)	92.3(1.0)	92.9(0.9)	86.0(2.7)	86.8(2.7)
	1986	89.9(0.7)	85.8(1.0)	93.8(0.9)	90.1(0.8)	90.2(1.5)	87.0(3.7)
	1982	85.1(0.9)	84.4(1.2)	85.9(1.0)	87.0(0.9)	78.8(2.6)	74.7(3.1)
Add whole numbers	1999	66.7(1.3)	67.1(1.7)	66.3(1.7)	69.4(1.4)	55.9(3.5)	55.7(4.2)
	1996	68.5(1.3)	68.6(1.6)	68.5(2.0)	71.2(1.6)	57.7(3.2)	61.1(3.0)
	1994	65.4(1.2)	66.7(2.0)	64.1(1.2)	67.9(1.5)	58.1(4.1)	58.1(5.1)
	1992	63.1(1.2)	61.3(1.6)	64.9(2.1)	65.0(1.3)	53.0(2.5)	56.6(4.5)
	1990	62.9(1.5)	61.1(2.1)	64.6(2.0)	65.0(1.7)	55.5(2.8)	56.8(4.5)
	1986	57.6(1.5)	56.2(2.1)	59.2(1.7)	60.5(1.7)	45.5(3.6)	51.2(6.0)
	1982	65.5(1.4)	64.6(1.9)	66.3(1.7)	68.2(1.5)	48.7(2.9)	64.9(2.8)
Subtract whole numbers	1999	72.9(1.3)	70.3(1.8)	75.5(1.9)	76.3(1.4)	61.7(2.8)	64.1(4.8)
	1996	72.9(1.7)	72.3(2.5)	73.5(1.7)	76.2(2.1)	60.1(3.7)	67.2(3.0)
	1994	73.1(1.3)	70.1(2.0)	75.9(1.6)	76.3(1.7)	63.3(3.2)	63.5(3.3)
	1992	76.3(1.1)	74.4(1.5)	78.4(1.5)	78.5(1.1)	64.3(2.5)	74.9(3.7)
	1990	76.5(1.4)	73.2(1.5)	79.7(2.3)	78.3(1.4)	69.7(4.0)	68.5(4.0)
	1986	75.5(1.3)	75.8(1.3)	75.0(2.0)	77.8(1.6)	66.1(3.4)	71.5(5.8)
	1982	68.4(1.4)	63.2(2.3)	73.6(1.5)	70.8(1.6)	57.6(3.1)	57.1(6.2)
Subtract whole numbers	1999	50.9(1.4)	52.0(1.8)	49.7(2.2)	55.3(1.6)	33.5(2.1)	43.0(3.4)
	1996	50.8(1.7)	51.3(2.1)	50.4(1.8)	55.9(2.0)	31.6(3.3)	44.3(3.8)
	1994	52.5(1.6)	51.6(2.4)	53.3(1.9)	56.5(1.9)	41.8(3.2)	39.1(3.7)
	1992	52.9(1.8)	52.4(2.4)	53.5(1.9)	56.1(2.0)	37.0(3.7)	47.1(3.1)
	1990	54.5(1.7)	52.7(2.2)	56.3(2.0)	57.3(1.6)	42.1(4.6)	46.6(4.9)
	1986	54.3(1.9)	51.9(2.2)	57.0(2.4)	58.0(2.2)	38.3(2.8)	45.3(5.6)
	1982	43.3(2.0)	40.7(2.2)	45.9(2.2)	46.1(2.4)	27.2(2.7)	34.5(7.8)
Subtract whole numbers	1999	55.4(1.7)	56.6(2.3)	54.2(2.0)	58.6(1.7)	41.1(3.0)	46.8(3.5)
	1996	57.9(1.7)	59.8(2.5)	56.3(2.1)	62.3(2.0)	41.0(3.2)	53.1(3.9)
	1994	54.4(1.7)	54.0(2.3)	54.8(2.1)	58.7(1.9)	39.3(4.0)	41.7(3.8)
	1992	57.3(1.3)	55.8(1.6)	59.0(2.0)	61.1(1.4)	41.1(2.8)	49.4(5.5)
	1990	59.2(1.6)	55.8(1.9)	62.6(2.1)	61.9(1.4)	48.7(5.3)	46.8(5.5)
	1986	59.8(1.7)	61.1(1.9)	58.5(2.1)	63.8(1.9)	43.4(2.9)	51.1(7.1)
	1982	48.4(2.1)	44.8(2.2)	52.0(2.6)	50.5(2.5)	36.1(3.1)	41.2(5.6)
Subtract whole numbers (Calculator item - not scaled)	1999	90.6(0.8)	89.9(1.1)	91.3(1.2)	91.7(1.0)	86.3(1.7)	91.5(1.7)
	1996	90.9(0.6)	90.2(1.1)	91.7(1.2)	91.3(0.8)	90.0(1.7)	89.8(2.5)
	1994	91.2(0.8)	89.9(1.3)	92.3(1.0)	92.0(0.8)	88.1(2.7)	86.1(3.2)
	1992	92.1(0.6)	90.8(0.8)	93.3(0.7)	93.5(0.5)	86.3(1.8)	89.0(1.9)
	1990	90.3(1.0)	87.8(1.3)	92.9(1.1)	92.7(0.7)	78.6(2.8)	87.8(2.4)
	1986	89.4(0.8)	87.3(1.3)	91.5(0.8)	92.5(0.8)	79.5(2.3)	78.8(2.4)
	1982	89.2(0.8)	87.1(1.1)	91.3(1.0)	91.8(0.7)	77.1(2.4)	83.2(3.3)

(\*\*\*) Standard error estimate is greater than 9.9

Question Description	Year	Total	Male	Female	White	Black	Hispanic
Subtract whole numbers (Calculator item - not scaled)	1999	88.8(1.0)	88.1(1.3)	89.4(1.2)	89.8(1.1)	83.7(1.8)	88.2(2.6)
	1996	88.6(0.9)	86.5(1.3)	90.8(1.3)	89.6(1.2)	84.6(2.3)	88.4(3.3)
	1994	87.7(0.9)	84.9(1.5)	90.5(1.0)	88.3(0.9)	84.8(2.1)	86.9(2.3)
	1992	89.6(0.7)	87.8(1.1)	91.2(1.0)	90.9(0.8)	84.0(1.9)	89.3(2.1)
	1990	87.5(1.1)	84.5(1.8)	90.5(1.1)	90.4(1.0)	75.8(3.8)	77.2(3.2)
	1986	86.3(0.9)	84.2(1.2)	88.4(1.3)	89.2(1.0)	75.6(2.3)	78.5(2.8)
	1982	86.3(1.1)	83.9(1.8)	88.8(1.1)	89.2(1.1)	71.2(2.4)	84.2(2.6)
Subtract whole numbers (Calculator item - not scaled)	1999	88.3(0.8)	87.1(1.2)	89.6(1.0)	89.6(1.0)	82.3(1.7)	86.5(2.6)
	1996	89.2(1.0)	87.7(1.8)	90.7(1.0)	89.9(1.2)	86.1(2.1)	86.5(2.7)
	1994	88.6(0.8)	88.2(1.3)	89.1(1.1)	89.8(0.8)	84.2(1.9)	85.6(2.4)
	1992	90.3(0.6)	89.5(1.1)	90.9(0.8)	91.5(0.7)	85.5(1.8)	87.8(2.0)
	1990	87.2(1.0)	84.5(1.4)	89.9(1.3)	89.0(0.9)	78.4(2.9)	82.9(2.7)
	1986	85.3(1.0)	82.4(1.3)	88.0(1.3)	88.7(1.0)	74.7(3.2)	71.3(2.3)
	1982	85.6(1.0)	83.1(1.4)	88.1(1.2)	88.6(0.9)	69.3(2.1)	81.4(2.5)
Multiply whole numbers	1999	71.9(1.6)	71.2(1.8)	72.6(1.9)	74.0(2.0)	63.1(3.7)	66.8(3.4)
	1996	69.3(1.9)	68.2(2.3)	70.3(2.0)	70.1(2.6)	67.5(2.7)	64.3(5.0)
	1994	72.1(1.5)	71.5(1.9)	72.7(2.0)	73.4(1.7)	68.2(2.9)	62.4(5.8)
	1992	67.8(1.5)	66.8(2.0)	68.8(1.9)	68.7(1.4)	62.1(2.6)	60.0(4.2)
	1990	71.4(1.4)	68.6(1.9)	73.9(1.6)	72.3(1.5)	64.4(2.8)	72.6(4.3)
	1986	64.9(1.7)	61.2(2.3)	68.4(1.6)	66.5(1.7)	62.6(3.8)	47.8(5.0)
	1982	61.0(3.1)	55.5(3.0)	66.5(3.4)	61.9(4.0)	52.9(3.6)	65.7(5.7)
Multiply whole numbers	1999	13.1(1.5)	12.6(2.0)	13.4(1.4)	13.0(1.8)	7.2(1.8)	14.8(2.9)
	1996	11.9(1.6)	11.1(1.7)	12.6(2.0)	12.7(2.1)	8.2(1.7)	8.8(2.0)
	1994	13.9(1.6)	10.8(1.6)	16.8(2.0)	14.8(1.9)	8.5(1.9)	4.4(1.5)
	1992	10.6(1.2)	10.4(1.1)	10.8(1.8)	11.1(1.3)	4.9(1.7)	10.2(2.9)
	1990	16.4(2.0)	15.0(2.0)	17.8(2.4)	17.1(2.3)	13.2(2.3)	9.4(2.8)
	1986	11.5(1.3)	10.3(1.6)	12.7(1.5)	12.1(1.4)	7.6(1.8)	8.0(2.5)
	1982	13.7(1.9)	12.3(1.9)	15.1(2.1)	14.9(2.2)	4.6(1.3)	15.2(5.8)
Multiply whole numbers (Calculator item - not scaled)	1999	91.0(0.7)	90.4(1.3)	91.6(0.9)	91.9(0.7)	87.1(2.2)	90.5(2.3)
	1996	90.6(0.7)	89.5(1.0)	91.7(1.1)	89.7(0.9)	92.8(1.6)	90.3(1.9)
	1994	91.4(0.7)	89.6(1.0)	93.0(0.9)	91.0(0.7)	93.8(2.1)	88.8(3.0)
	1992	91.1(0.6)	90.0(0.9)	92.1(0.8)	91.3(0.7)	89.7(1.2)	91.2(1.3)
	1990	91.1(0.8)	88.7(1.2)	93.5(0.9)	92.5(0.8)	84.5(2.5)	88.4(1.7)
	1986	88.8(1.0)	88.0(1.2)	89.6(1.4)	90.9(1.0)	82.2(2.0)	79.8(3.2)
	1982	87.8(0.9)	85.1(1.2)	90.6(1.0)	90.2(0.8)	76.4(2.6)	81.3(3.4)
Multiply whole numbers (Calculator item - not scaled)	1999	84.7(1.0)	82.0(1.4)	87.4(1.2)	86.0(1.2)	79.3(2.3)	84.9(3.7)
	1996	84.1(1.1)	83.6(1.5)	84.5(1.4)	86.1(1.2)	76.5(3.5)	83.2(2.7)
	1994	83.8(1.0)	82.5(1.8)	85.0(1.0)	84.2(1.1)	82.4(2.4)	82.9(3.0)
	1992	87.2(0.9)	85.3(1.5)	89.0(0.9)	88.4(1.0)	83.3(2.3)	87.3(1.9)
	1990	82.5(1.3)	79.9(1.7)	85.1(1.4)	85.3(1.3)	71.7(2.5)	78.7(3.5)
	1986	82.8(0.9)	81.0(1.6)	84.5(1.1)	85.6(0.9)	71.6(2.6)	78.7(2.8)
	1982	79.9(1.2)	77.7(1.8)	82.0(1.2)	82.7(1.1)	65.9(2.8)	71.4(3.5)

(\*\*\*) Standard error estimate is greater than 9.9

Question Description	Year	Total	Male	Female	White	Black	Hispanic
Apply place value	1999	76.0(1.1)	75.8(1.8)	76.2(1.3)	83.4(1.1)	58.1(2.9)	54.4(4.4)
	1996	72.0(1.6)	75.2(2.3)	68.9(1.8)	77.8(1.8)	56.0(2.9)	57.5(4.6)
	1994	73.2(1.8)	75.6(1.9)	70.8(2.4)	78.6(1.6)	53.9(3.6)	63.0(4.4)
	1992	71.5(1.4)	74.8(1.7)	68.5(1.6)	77.6(1.4)	50.9(3.0)	49.0(4.2)
	1990	71.4(1.5)	73.4(1.6)	69.5(1.8)	78.2(1.6)	46.3(3.4)	57.5(5.3)
	1986	64.8(1.8)	66.4(2.1)	63.2(2.1)	71.2(2.0)	40.9(3.8)	45.7(4.8)
	1982	67.4(2.0)	68.1(2.3)	66.7(2.3)	73.6(1.9)	41.9(3.4)	45.3(5.7)
Apply place value	1999	54.4(1.9)	58.4(2.3)	50.3(1.9)	62.0(1.9)	32.1(3.3)	26.7(4.0)
	1996	50.8(2.2)	52.7(2.7)	49.1(2.5)	58.1(2.3)	31.7(2.7)	28.6(3.4)
	1994	50.1(1.8)	51.7(2.6)	48.6(2.0)	57.0(2.1)	30.0(3.3)	27.3(3.7)
	1992	49.9(1.5)	51.8(1.6)	47.9(1.8)	55.0(1.5)	32.7(3.1)	30.0(2.8)
	1990	47.9(1.8)	51.3(2.4)	44.6(1.9)	54.8(1.8)	25.7(4.0)	27.0(4.3)
	1986	43.1(2.2)	47.8(2.1)	38.1(3.0)	48.5(2.8)	26.9(3.0)	20.0(5.2)
	1982	56.4(1.6)	57.1(2.0)	55.7(2.0)	62.4(1.7)	31.6(2.5)	35.0(4.2)

(\*\*\*) Standard error estimate is greater than 9.9