WORKSHEET

Estimating and rounding

Complete each estimation question *without* using a calculator. You can use a calculator to check your estimate.

Part A

Estimate the approximate answer to each question then circle the alternative (A, B or C) that is closest to your approximation.

1 98.4×9.5

   A 100

   B 500

   C 1000

2 $382 + 401 + 589$

   A 1000

   B 1400

   C 1800

3 $755 - 4.95$

   A 250

   B 500

   C 750

4 $2 \times 11.5 + 29.7$

   A 40

   B 50

   C 80

5 $606 \div 2.1$

   A 30

   B 300

   C 3000

6 $\dfrac{9}{10} + \dfrac{1}{9}$

   A 1

   B 2

   C 90

7 $173.125 + 342.8$

   A 500

   B 2000

   C 25 000

8 The change from a $100 note when you spend $19.95.

   A $20

   B $65

   C $80

9 The total cost when you buy 5 items @ $4.95 each.

   A $5

   B $25

   C $50

10 The amount you earn for working 8 hours at $11.45 per hour.

   A $20

   B $70

   C $90

11 The interest you earn for one year when you have $2000 in an interest bearing deposit.

   A $40

   B $1000

   C $2500

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12 The number of 95 mL drinks you can pour from a full 600 mL carton of milk.

   A 4

   B 6

   C 10

13 The time you will take to walk 7.9 km if you walk 4 km each hour.

   A 2 hours

   B 18 hours

   C 32 hours

14 The cost of a 6-minute phone call at $10.15 per minute.

   A $6

   B $30

   C $60

15 95% of 1350

   A 600

   B 1300

   C 1400

Part B

Round each amount to the specified accuracy.

	Amount	Accuracy	Answer
1	6.89	1 decimal place	
2	67.1	nearest whole number	
3	180	nearest 100	
4	67	nearest ten	
5	15.43	1 decimal place	
6	925	nearest 100	
7	28.7	nearest whole number	
8	11.3636	2 decimal places	
9	124.375	1 decimal place	
10	3.45272	3 decimal places	
11	31.465	nearest whole number	
12	3.6632	2 decimal places	
13	71	nearest ten	
14	15.0095	2 decimal places	
15	0.46	1 decimal place	
16	0.298532	3 decimal places	
17	14.5478	2 decimal places	
18	127.557	nearest whole number	
19	288	nearest 100	
20	12.449	1 decimal place	

Answers

Part A		Part B	
1	C	**1**	6.9
2	B	**2**	67
3	C	**3**	200
4	B	**4**	70
5	B	**5**	15.4
6	A	**6**	900
7	A	**7**	29
8	C	**8**	11.36
9	B	**9**	124.4
10	C	**10**	3.453
11	A	**11**	31
12	B	**12**	3.66
13	A	**13**	70
14	C	**14**	15.01
15	B	**15**	0.5
		16	0.299
		17	14.55
		18	128
		19	300
		20	12.4