

Division

Skill 4 - 13E

Estimate Quotients

Circle the best estimated quotients. Use compatible numbers.

$$229 \div 5$$

a. 4 or 5

b. 40 or 50

c. 50 or 60

Use compatible numbers to find the answer. Use division facts to find the compatible numbers.

$$20 \div 5 = 4 \quad \text{and} \quad 25 \div 5 = 5$$

You can use 200 and 250 for 229. (229 is between 200 and 250)

$$200 \div 5 = 40 \quad \text{and} \quad 250 \div 5 = 50 \quad \text{so, the answer is b. 40 or 50}$$

Directions: Estimate using compatible numbers.

1. $148 \div 2$

2. $190 \div 3$

3. $172 \div 2$

4. $277 \div 5$

5. $295 \div 4$

6. $135 \div 3$

7. $520 \div 7$

8. $180 \div 5$

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Directions: Estimate using compatible numbers.

9. $142 \div 4$

10. $167 \div 3$

11. $273 \div 5$

12. $612 \div 8$

13. $179 \div 5$

14. $360 \div 5$

15. $715 \div 8$

16. $490 \div 6$

17. $330 \div 8$

18. $499 \div 6$

19. $179 \div 5$

Answer Key
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1. $148 \div 2$		$150 \div 2 = 75$	$148 \div 2$ is about 75
2. $190 \div 3$	$3 \times 6 = 18$	$180 \div 3 = 60$	$190 \div 3$ is about 60
3. $172 \div 2$	$2 \times 9 = 18$	$180 \div 2 = 90$	$172 \div 2$ is about 90
4. $277 \div 5$	$5 \times 5 = 25$ and $5 \times 6 = 30$	$250 \div 5 = 50$ $300 \div 5 = 60$	about 50 or 60
5. $295 \div 4$	$4 \times 7 = 28$	$280 \div 4 = 70$	$295 \div 4$ is about 70
6. $135 \div 3$	$3 \times 4 = 12$ $3 \times 5 = 15$	$120 \div 3 = 40$ $150 \div 3 = 50$	about 40 or 50
7. $520 \div 7$	$7 \times 7 = 49$ $7 \times 8 = 56$	$490 \div 7 = 70$ $560 \div 7 = 80$	about 70 or 80
8. $180 \div 5$	$5 \times 4 = 20$	$200 \div 5 = 40$	about 40
9. $142 \div 4$	$4 \times 3 = 12$ $4 \times 4 = 16$	$120 \div 4 = 30$ $160 \div 4 = 40$	about 30 or 40
10. $167 \div 3$	$3 \times 5 = 15$ $3 \times 6 = 18$	$150 \div 3 = 50$ $180 \div 3 = 60$	about 50 or 60
11. $273 \div 5$	$5 \times 5 = 25$ $5 \times 6 = 30$	$250 \div 5 = 50$ $300 \div 5 = 60$	about 50 or 60
12. $612 \div 8$	$8 \times 7 = 56$ $8 \times 8 = 64$	$560 \div 8 = 70$ $640 \div 8 = 80$	about 70 or 80
13. $179 \div 5$	$5 \times 3 = 15$ $5 \times 4 = 20$	$150 \div 5 = 30$ $200 \div 5 = 40$	about 30 or 40
14. $360 \div 5$	$5 \times 7 = 35$	$350 \div 5 = 70$	about 70
15. $715 \div 8$	$8 \times 9 = 72$	$720 \div 9 = 80$	about 80
16. $490 \div 6$	$6 \times 8 = 48$	$480 \div 6 = 80$	about 80
17. $330 \div 8$	$8 \times 4 = 320$	$320 \div 8 = 40$	about 40
18. $499 \div 6$	$6 \times 8 = 48$	$480 \div 6 = 80$	about 80
19. $179 \div 5$	$5 \times 3 = 15$ $5 \times 4 = 20$	$150 \div 5 = 30$ $200 \div 5 = 40$	about 30 or 40