

Delta Competency Exam

To receive the full benefit of this test, watch the student to ensure he has mastered single and multiple digit division.

If he demonstrates proficiency, he is ready to move on to Epsilon.

If he struggles with division, he should begin working in Delta.

1) $4 \overline{) 36}$

2) $6 \overline{) 24}$

3) $8 \overline{) 32}$

4) $7 \overline{) 49}$

5) $8 \overline{) 56}$

6) $4 \overline{) 20}$

7) $6 \overline{) 42}$

8) $6 \overline{) 60}$

9) $16 \div 8 = \underline{\quad}$

10) $35 \div 7 = \underline{\quad}$

11) $\frac{48}{8} = \underline{\quad}$

12) $\frac{7}{7} = \underline{\quad}$

13) $12 \div 4 = \underline{\quad}$

14) $36 \div 6 = \underline{\quad}$

15) $\frac{70}{7} = \underline{\quad}$

16) $\frac{12}{6} = \underline{\quad}$

Divide. Write your remainders without using fractions.

17) $4 \overline{) 80}$

18) $7 \overline{) 53}$

19) $8 \overline{) 648}$

20) $5 \overline{) 396}$

Divide. Write your remainders with fractions. Check your answers by multiplying.

21) $25 \overline{) 631}$

22) check #21 with multiplication.

23) $16 \overline{) 349}$

24) check #23 with multiplication.

25) $6 \overline{) 30458}$

26) check #25 with multiplication.

27) $84 \overline{) 57647}$

28) check #27 with multiplication.

- 29) Madison divided 12 gumdrops between herself and a friend. How many gumdrops did her friend receive?
- 30) Hannah made 18 treats yesterday and 17 more today. She plans to divide the treats among her five friends as gifts. How many treats will each friend receive?
- 31) Jacob wants to divide 31 dollar bills among his four children. How many bills will each child receive? How many dollar bills will Jacob have left over?
- 32) Logan drove at 55 miles an hour for 330 miles. How many hours did the trip take?
- 33) Thirty-four people want to go the picnic. If all the available cars hold 5 people each, how many cars are needed to take everyone who wants to go?
- 34) A biologist placed 24,325 fish eggs in tanks to hatch. If he has 5 tanks and put the same number of eggs in each, how many eggs are in each tank?

Solutions

- 1) 9
- 2) 4
- 3) 4
- 4) 7
- 5) 7
- 6) 5
- 7) 7
- 8) 10
- 9) 2
- 10) 5
- 11) 6
- 12) 1
- 13) 3
- 14) 6
- 15) 10
- 16) 2
- 17) 20
- 18) 7 r. 4
- 19) 81
- 20) 79 r. 1
- 21) $25 \frac{6}{25}$
- 22) $25 \times 25 = 625$
 $625 + 6 = 631$
- 23) $21 \frac{13}{16}$
- 24) $16 \times 21 = 336$
 $336 + 13 = 349$
- 25) $5,076 \frac{2}{6}$
- 26) $6 \times 5,076 = 30,456$
 $30,456 + 2 = 30,458$
- 27) $686 \frac{23}{84}$
- 28) $84 \times 686 = 57,624$
 $57,624 + 23 = 57,647$
- 29) 6
- 30) 7
- 31) 7 with 3 left
- 32) 6
- 33) 7
- 34) 4,865