

Division

Study how to divide 738 by 3.

X	100	200	300
3	300	600	900

738 is between 600 and 900, so $738 \div 3$ is between

200 and 300. The hundreds

digit is 2.

$$\begin{array}{r} 2 \\ 3 \overline{)738} \\ \underline{600} \quad (200 \times 3) \\ 138 \quad (738 - 600) \end{array}$$

X	10	20	30	40	50
3	30	60	90	120	150

138 is between 120 and 150, so $138 \div 3$ is between

_____ and _____.

The tens digit is _____.

$$\begin{array}{r} 24 \\ 3 \overline{)738} \\ \underline{600} \\ 138 \\ \underline{120} \quad (40 \times 3) \\ 18 \quad (138 - 120) \end{array}$$

X	1	2	3	4	5	6
3	3	6	9	12	15	18

$18 \div 3 =$ _____.

The ones digit is _____.

$$\begin{array}{r} 246 \\ 3 \overline{)738} \\ \underline{600} \\ 138 \\ \underline{120} \\ 18 \\ \underline{18} \quad (6 \times 3) \\ 0 \quad (18 - 18) \end{array}$$

remainder (r) \rightarrow 0

Divide.

a

b

c

d

e

1. $8 \overline{)96}$

$4 \overline{)72}$

$6 \overline{)72}$

$3 \overline{)81}$

$4 \overline{)68}$

2. $2 \overline{)74}$

$3 \overline{)87}$

$5 \overline{)75}$

$7 \overline{)784}$

$3 \overline{)768}$

3. $8 \overline{)296}$

$9 \overline{)315}$

$6 \overline{)252}$

$6 \overline{)462}$

$5 \overline{)930}$

Check your answers. Record your score.

Perfect score: 15

My score: _____

Division

$$\begin{array}{r}
 235 \\
 8 \overline{)1880} \\
 \underline{1600} \\
 280 \\
 \underline{240} \\
 40 \\
 \underline{40} \\
 0
 \end{array}$$

Check

$$\begin{array}{r}
 235 \\
 \times 8 \\
 \hline
 1880
 \end{array}$$

$$\begin{array}{r}
 178 \text{ r}2 \\
 3 \overline{)536} \\
 \underline{300} \\
 236 \\
 \underline{210} \\
 26 \\
 \underline{24} \\
 2
 \end{array}$$

Check

$$\begin{array}{r}
 178 \\
 \times 3 \\
 \hline
 534 \\
 + 2 \\
 \hline
 536
 \end{array}$$

To check $1880 \div 8 = 235$,
 multiply 235 by 8. The answer should be _____.

To check $536 \div 3 = 178 \text{ r}2$,
 multiply 178 by 3 and then add 2. The answer should be _____.

Divide. Check each answer.

*a**b**c*

1. $4 \overline{)1104}$

$8 \overline{)1760}$

$2 \overline{)4632}$

2. $3 \overline{)379}$

$5 \overline{)421}$

$4 \overline{)762}$

3. $3 \overline{)1058}$

$6 \overline{)726}$

$7 \overline{)2117}$

Check your answers. Record your score.

Perfect score: 9

My score: _____

TEST—Division

Divide.

*a**b**c**d*

1. $4 \overline{)96}$

$7 \overline{)84}$

$3 \overline{)79}$

$5 \overline{)68}$

2. $4 \overline{)732}$

$5 \overline{)175}$

$7 \overline{)615}$

$2 \overline{)647}$

3. $8 \overline{)1720}$

$4 \overline{)5216}$

$4 \overline{)1530}$

$3 \overline{)6323}$

4. $3 \overline{)84}$

$6 \overline{)76}$

$8 \overline{)94}$

$2 \overline{)78}$

5. $4 \overline{)1256}$

$3 \overline{)6343}$

$5 \overline{)1842}$

$6 \overline{)7206}$

Check your answers. Record your score.

Perfect score: 20

My score: _____

Division

Study how to divide 94 by 13.

Since $10 \times 13 = 130$ and 130 is greater than 94, there is no tens digit.

$$13 \overline{)94}$$

X	1	2	3	4	5	6	7	8
13	13	26	39	52	65	78	91	104

94 is between 91 and 104.

$94 \div 13$ is between _____ and _____.

_____ The *quotient* is _____.

$$\begin{array}{r}
 13 \overline{)94} \\
 \underline{91} \quad (7 \times 13) \\
 3 \quad (94 - 91)
 \end{array}$$

The remainder is _____.

$$\begin{array}{r}
 7r3 \\
 13 \overline{)94} \\
 \underline{91} \\
 3
 \end{array}$$

remainder

Divide.

a

b

c

d

e

1. $12 \overline{)84}$

$13 \overline{)78}$

$19 \overline{)95}$

$16 \overline{)84}$

$14 \overline{)98}$

2. $15 \overline{)92}$

$14 \overline{)75}$

$16 \overline{)74}$

$13 \overline{)80}$

$12 \overline{)92}$

3. $17 \overline{)68}$

$23 \overline{)92}$

$32 \overline{)84}$

$18 \overline{)72}$

$27 \overline{)91}$

Check your answers. Record your score.

Perfect score: 15

My score: _____

Division

Divide.

*a**b**c**d*

1. $28 \overline{) 776}$

$42 \overline{) 5176}$

$19 \overline{) 95}$

$33 \overline{) 133}$

2. $12 \overline{) 2606}$

$22 \overline{) 6754}$

$24 \overline{) 792}$

$11 \overline{) 1716}$

3. $14 \overline{) 84}$

$89 \overline{) 801}$

$75 \overline{) 753}$

$16 \overline{) 2616}$

4. $75 \overline{) 6375}$

$23 \overline{) 5543}$

$25 \overline{) 8000}$

$25 \overline{) 800}$

5. $15 \overline{) 6009}$

$60 \overline{) 1860}$

$20 \overline{) 7020}$

$48 \overline{) 1704}$

Check your answers. Record your score.

Perfect score: 20

My score: _____

Division

Study how to divide 24205 by 75.

X	100	200	300	400
75	7500	15000	22500	30000

24205 ÷ 75 is between '300

and 400. The hundreds digit

is 3.

$$\begin{array}{r} 75 \overline{) 24205} \\ \underline{22500} \\ 1705 \end{array}$$

X	10	20	30	40
75	750	1500	2250	3000

1705 ÷ 75 is between '_____

and _____. The tens

digit is 2.

$$\begin{array}{r} 75 \overline{) 24205} \\ \underline{22500} \\ 1705 \\ \underline{1500} \\ 205 \end{array}$$

X	1	2	3	4
75	75	150	225	300

205 ÷ 75 is between '_____

and _____. The ones

digit is 2.

$$\begin{array}{r} 75 \overline{) 24205} \\ \underline{22500} \\ 1705 \\ \underline{1500} \\ 205 \\ \underline{150} \\ 55 \end{array}$$

Divide.

a

b

c

d

1. $43 \overline{) 17716}$

$64 \overline{) 32768}$

$27 \overline{) 22005}$

$28 \overline{) 60088}$

2. $33 \overline{) 27313}$

$31 \overline{) 96843}$

$43 \overline{) 89800}$

$59 \overline{) 41645}$

Check your answers. Record your score.

Perfect score : 8

My score : _____

NAME _____

Division

$$\begin{array}{r}
 2543 \text{ r}8 \\
 16 \overline{)40696} \\
 \underline{32000} \\
 8696 \\
 \underline{8000} \\
 696 \\
 \underline{640} \\
 56 \\
 \underline{48} \\
 8
 \end{array}$$

Check

$$\begin{array}{r}
 2543 \\
 \times 16 \\
 \hline
 15258 \\
 25430 \\
 \hline
 40688 \\
 + 8 \\
 \hline
 40696
 \end{array}$$

To check $40696 \div 16 = 2543 \text{ r}8$, multiply 2543 by _____ and then add _____ to this product. The answer should be _____.

Divide. Check each answer.

a

b

1. $47 \overline{)99932}$

$54 \overline{)33100}$

2. $38 \overline{)27590}$

$46 \overline{)38277}$

3. $75 \overline{)95100}$

$24 \overline{)30900}$

Check your answers. Record your score.

Perfect score: 6

My score: _____

TEST—DivisionWrite *T* before each true statement and *F* before each false statement.

- _____ 1. If $10998 \div 26 = 423$, then $26 \times 423 = 10998$.
- _____ 2. If $41588 \div 37 = 1124 \text{ r}6$, then $37 \times 1124 = 41588$.
- _____ 3. If $11378 \div 98 = 116 \text{ r}10$, then $98 \times 116 = 11378 + 10$.
- _____ 4. If $76 \times 543 = 41268$, then $41268 \div 76 = 543$.

Divide.

*a**b**c**d*

5. $31 \overline{) 83211}$

$41 \overline{) 50471}$

$11 \overline{) 12331}$

$77 \overline{) 98316}$

6. $32 \overline{) 23744}$

$93 \overline{) 31657}$

$51 \overline{) 21483}$

$43 \overline{) 31605}$

7. $25 \overline{) 23375}$

$17 \overline{) 34096}$

$37 \overline{) 65510}$

$77 \overline{) 92324}$

8. $35 \overline{) 35035}$

$25 \overline{) 10025}$

$31 \overline{) 93006}$

$13 \overline{) 10413}$

Check your answers. Record your score.

Perfect score: 20

My score: _____