



Revision:

Column addition including adding decimals.

Column subtraction including subtracting decimals.

# Adding Numbers

H T U

2 4 6

+ 1 2 7

Reveal Answer

H T U

6 3 2

+ 5 6

Reveal Answer

H T U

4 2 0

+ 2 3 8

Reveal Answer

H T U

5 5 9

+ 1 4 1

Reveal Answer

H T U

3 4 6

+ 9 0 2

Reveal Answer

H T U

7 4

+ 5 2 3

Reveal Answer

# Adding Decimals

T U <sup>1/10</sup>

3 0 • 7

+ 4 2 • 9

Reveal Answer

T U <sup>1/10</sup>

2 4 • 9

+ 7 2 • 7

Reveal Answer

T U <sup>1/10</sup>

3 7 • 3

+ 1 1 • 7

Reveal Answer

T U <sup>1/10</sup>

3 0 9 • 5

+ 7 0 • 2

Reveal Answer

T U <sup>1/10</sup>

2 9 • 6

+ 3 0 • 9

Reveal Answer

T U <sup>1/10</sup>

7 2 • 7

+ 2 5 • 3

Reveal Answer

# Subtracting Numbers

H T U

3 7 2

- 2 1 5

Reveal Answer

H T U

5 3 8

- 2 5 2

Reveal Answer

H T U

5 3 5

- 3 3 9

Reveal Answer

H T U

6 0 9

- 2 0 1

Reveal Answer

H T U

2 5 5

- 1 2 8

Reveal Answer

H T U

9 7 7

- 4 2 7

Reveal Answer

# Subtracting Decimals

T U <sup>1/10</sup>

8 7 ● 7

- 6 2 ● 6

Reveal Answer

T U <sup>1/10</sup>

4 4 ● 7

- 3 5 ● 7

Reveal Answer

T U <sup>1/10</sup>

3 2 ● 1

- 2 1 ● 9

Reveal Answer

H T <sup>1/10</sup>

5 2 ● 7

- 4 3 ● 1

Reveal Answer

T U <sup>1/10</sup>

3 9 ● 4

- 1 0 ● 6

Reveal Answer

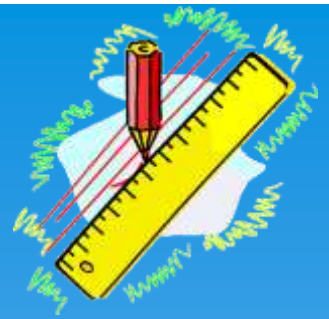
T U <sup>1/10</sup>

7 7 ● 5

- 3 3 ● 3

Reveal Answer

# STARTER QUESTIONS



- Q1. Calculate 75% of £200
- Q2. Round to 1 decimal place 2.354.
- Q3. How many minutes in 3 hours
- Q4. The answer to the question is 180. What is the question.

# Learning Objective

Revision:

Multiply two digit numbers

Multiply decimal numbers.

# Multiplying Numbers

H T U

3 7 2

X                    5

---

Reveal Answer

H T U

3 8

X                    9

---

Reveal Answer

H T U

4 0 5

X                    9

---

Reveal Answer

H T U

4 1 4

X                    5

---

Reveal Answer

H T U

6 2

X                    7

---

Reveal Answer

H T U

7 7

X                    7

---

Reveal Answer



# Multiplying 2 Digit Numbers: Grid Method

3

5

x

3

4

6

1

x

2

3

30

5

60

1

x

30

20

4

3

Reveal Answer

Reveal Answer

# Multiplying 2 Digit Numbers: Grid Method

2

3

x

6

6

3

5

x

2

9

20

3

30

5

x

60

20

Reveal Answer

6

Reveal Answer

9

# Multiplying Decimal Numbers: Grid Method

4.6

x

36

18

x

3.5

4

0.6

10

8

x

30

3

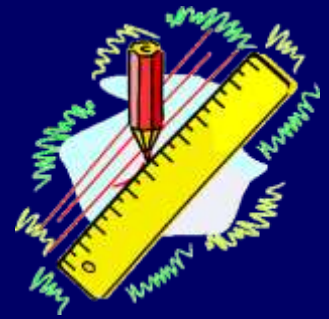
Reveal Answer

6

Reveal Answer

0.5

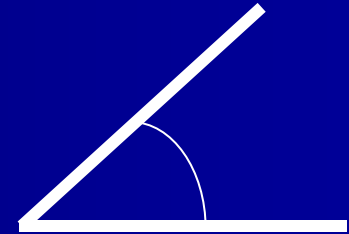
# STARTER QUESTIONS



MNU 2-10a  
MNU 2-10b

1. Calculate  $14 \times 100$

2. What kind of angle is this



3.  $56.98 \div 10$

4. Name the angle that is between  $180^\circ$  and  $360^\circ$

# Learning Objective

Revision:

Use bus stop method to divide including dividing with decimal remainders.

# Dividing Numbers

4

3

4

÷

7

6

1

5

÷

5

Reveal Answer

Reveal Answer

7

4

3

4

5

6

1

5

4

2

6

÷

3

6

5

4

÷

6

Reveal Answer

Reveal Answer

3

4

2

6

6

6

5

6

# Dividing Numbers

$$164 \div 5 \qquad 385 \div 4$$

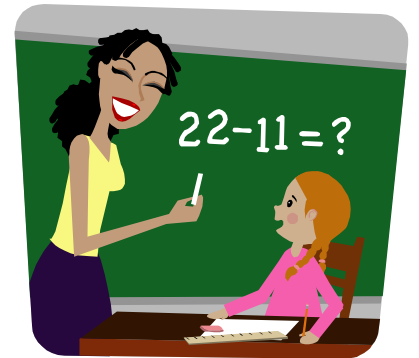
$$5 \overline{) 164} \qquad 4 \overline{) 385}$$

$$355 \div 9 \qquad 217 \div 5$$

$$9 \overline{) 351} \qquad 5 \overline{) 217}$$

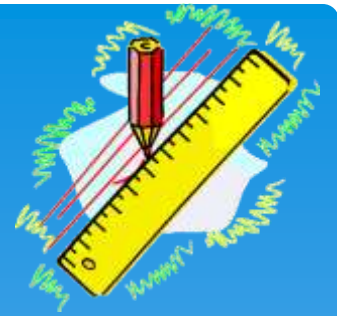
# CHUNKING

Now try these...





# STARTER QUESTIONS

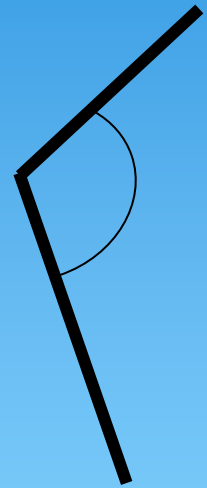


1. Calculate  $41.9 \times 100$

2. What kind of angle is this

3.  $1.268 \div 100$

4. Name the angle that is between  $0^\circ$  and  $90^\circ$



# Learning Objective

Revision:

Find fractions of quantities.

# Finding Fractions of Numbers

$$\frac{1}{\quad}$$

← This is the numerator

$$\frac{\quad}{3}$$

← This is the denominator

To find a fraction of a number you can do this:

- 1) Divide the whole number by the denominator.
- 2) Multiply this answer by the numerator.

$$\frac{1}{3} \text{ of } 15$$

1)  $15 \div 3 = 5$

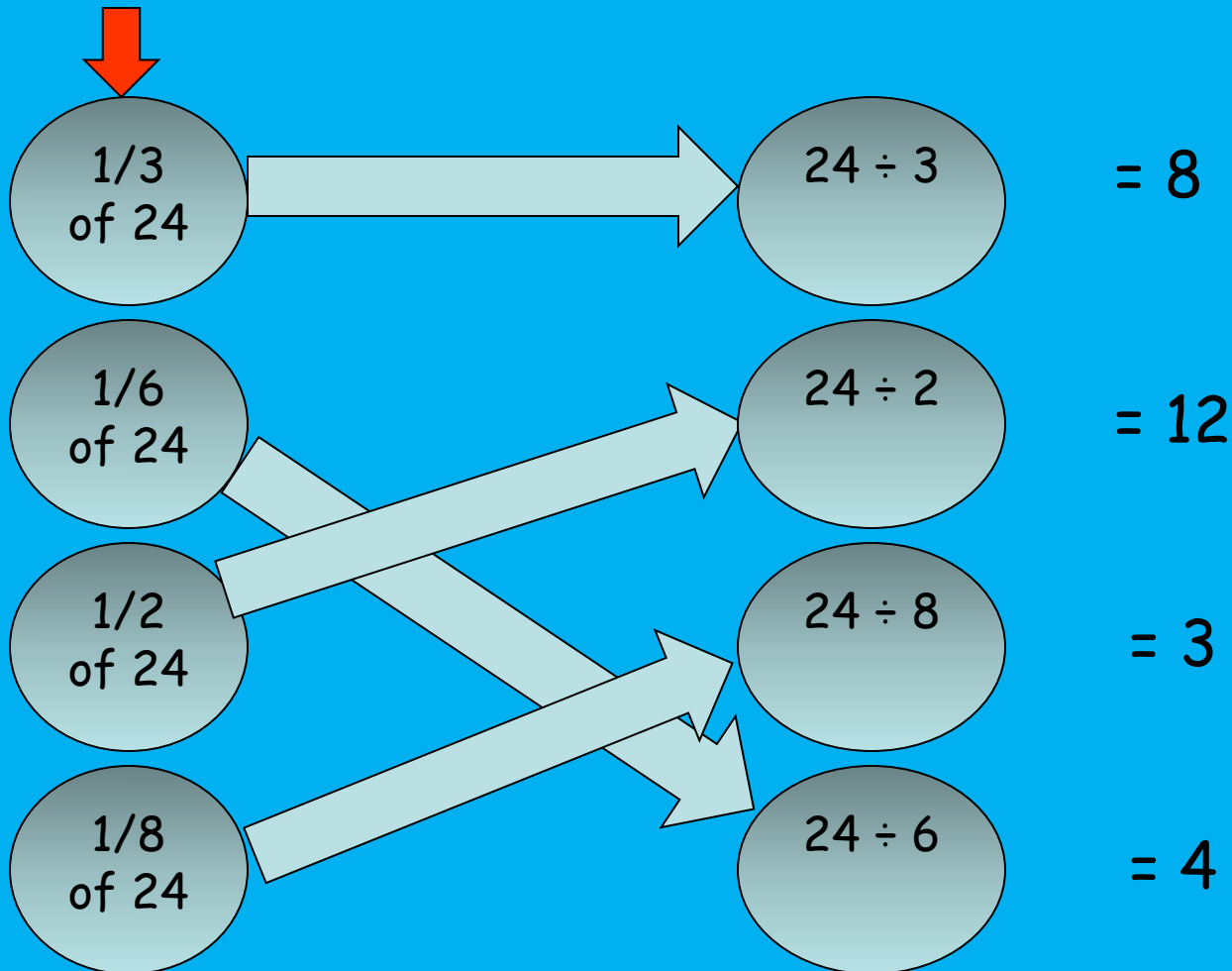
2)  $5 \times 1 = 5$

$= 5$



# Linking Fractions and Division

Fractions and dividing are very similar. The denominator is what you divide by. Click on the fractions to match them to the division questions:



# Finding More Fractions of Numbers

Divide the whole number by the denominator

Multiply this answer by the numerator.

Answer

$\frac{2}{3}$  of 21

2  7

7  4

$\frac{3}{5}$  of 20

2  4

4  2

$\frac{3}{4}$  of 16

1  4

4  2

Remember:

- ✓ Divide the whole number by the denominator.
- ✓ Multiply this answer by the numerator.

CLICK!



# Finding More Fractions of Numbers

Divide the whole number by the denominator

Multiply this answer by the numerator.

Answer

$\frac{2}{6}$  of 30

30  
Reveal Answer  
5

5  
Reveal Answer  
10

Reveal Answer

$\frac{3}{10}$  of 50

50  
Reveal Answer  
5

5  
Reveal Answer  
15

Reveal Answer

$\frac{2}{3}$  of 600

600  
Reveal Answer  
200

200  
Reveal Answer  
400

Reveal Answer

Remember:

- ✓ Divide the whole number by the denominator.
- ✓ Multiply this answer by the numerator.

CLICK!



# Finding Fractions of Numbers

*Click on the question to reveal the answer*

$\frac{3}{4}$  of 40

$\frac{1}{4}$  of 80

$\frac{3}{20}$  of 80

$\frac{7}{10}$  of 30

$\frac{2}{5}$  of 25

$\frac{5}{9}$  of 18

$\frac{1}{3}$  of 15

$\frac{4}{6}$  of 54

$\frac{3}{8}$  of 24

$\frac{4}{5}$  of 50

$\frac{2}{7}$  of 28

$\frac{5}{6}$  of 42

# Using a Calculator to Find Fractions of Numbers

*Click on the question to reveal the answer*

$\frac{3}{4}$  of 50

$\frac{1}{4}$  of 90

$\frac{3}{20}$  of 360

$\frac{2}{5}$  of 315

$\frac{6}{7}$  of 147

$\frac{5}{9}$  of 351

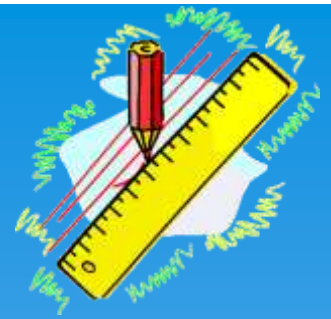
$\frac{1}{3}$  of 189

$\frac{2}{6}$  of 546

$\frac{3}{8}$  of 152



# STARTER QUESTIONS



- Q1. Convert to 24hr clock 8.15am 10.02pm
- Q2. Round to 1 decimal place 103.525
- Q3. How many minutes in 6 hours
- Q4. Find the time difference between 5.12am and 2.34pm

# Learning Objective

Revision:

Find percentages of numbers.

# Finding Percentages of Numbers

30% of 40

- 1) Find 10% first. This can be done by dividing the number by 10

$$10\% \text{ of } 40 = 4$$

- 2) If  $10\% = 4$ , then  $30\% = 12$   
(there are 3 lots of 10% in 30%)

$$30\% \text{ of } 40 = 12$$

This box represents 40

100% = 40
90% = 36
80% = 32
70% = 28
60% = 24
50% = 20
40% = 16
30% = 12
20% = 8
10% = 4



# Finding Percentages of Numbers

Find 10% first

Multiply this by how many lots of 10% there are

Answer

30% of 60

60  6

6  3

60% of 20

20  2

2  2

20% of 200

200  20

20  40



**Remember:**  
✓ To find 10%, first divide the whole number by 10.



# Finding Smaller Percentages of Numbers

6% of 300

- 1) Find 1% first. This can be done by dividing the number by 100

$$1\% \text{ of } 300 = 3$$

- 2) If 1% = 3, then 6% = 18  
(there are 6 lots of 1% in 6%)

$$6\% \text{ of } 300 = 18$$

This box represents 300.  
Each square is worth 1%

3	6	9	12	15	18				

CLICK!

# Finding Percentages of Numbers


Find 1% first

Multiply this by how many lots of 1% there are

Answer

6% of 400


400  = 4

4  4



15% of 80


80  0.8

0.8  12



7% of 500

500  = 5

5  5





**Remember:**  
✓ To find 1%, first divide the whole number by 100.



# Finding Percentages of Numbers

*Click on the question to reveal the answer*

20% of 40

99% of 200

3% of 1,000

20% of 30

30% of 50

5% of 200

2% of 500

40% of 80

12% of 600

70% of 60

60% of 20

2% of 20,000

# Using a Calculator to Find Percentages of Numbers

*Click on the question to reveal the answer*

20% of 450

97% of 170

6% of 2,500

18% of 820

44% of 560

15% of 450

23% of 4,400

8% of 600

30% of 3,370