

Whole numbers

Name: _____

Class: _____

Teacher: _____

This side of this worksheet reviews number skills. The other side of this worksheet refers to *Pearson Mathematics 7* Chapter 1 'Whole numbers' sections 1.1 and 1.2.

1 Complete the table below:

	2	7	11	4	8	12	3	9	6
$\times 3$									

2 Complete the table below:

	27	12	36	15	33	21	18	24	9
$\div 3$									

3 Evaluate 150×10 .

4 Evaluate 327×27 .

5 What are the next three numbers in the sequence?
2, 5, 8, 11, ...

6 Which of these are not factors of 4?

1, 2, 4, 8, 16

7 Evaluate $6 + 2 \times 4$.

8 Evaluate $\frac{1}{10} + \frac{3}{10}$.

9 Determine which is the bigger fraction.

$\frac{1}{2}$ or $\frac{1}{3}$

10 On a spelling test in English, Andy got 9 out of 10. What is this as a percentage?

11 Evaluate $0.9 - 0.7$.

12 Evaluate 2^2 .

13 If $6 \times \Delta = 12$, find the value of Δ .

14 If $\square = 2$, what is the value of the expression $4 \times \square + 3$?

15 If you are facing west and you turn 90° clockwise, in which direction are you now facing?

16 What is the probability of rolling a 2 on a standard six-sided die?

17 How many millimetres are in 25 cm?

Show all your
working



This side of this worksheet covers *Pearson Mathematics 7* Chapter 1 'Whole numbers' sections 1.1 and 1.2.

For online help, go to your *Pearson Mathematics 7* eBook.

1 Use the 'make easy numbers' strategy to calculate $2 \times 16 \times 5$.

2 Use the 'make easy numbers' strategy to calculate $57 + 128 + 43$.

3 Use the distributive law to calculate 49×4 .

4 Jodie is shopping for new clothes. Use a mental strategy to calculate the total amount she spends if she buys the following items:
T-shirt, \$16; shorts, \$28; pants, \$34; shirt, \$22.

5 Write 4^3 in expanded form and then calculate the answer.

6 Write $3 \times 3 \times 3 \times 3 \times 3 \times 3$ in index form.

7 Evaluate $\sqrt{36}$.

8 Simplify $2^2 \times 2^3$.

9 A Pythagorean triple (or triad) is a group of three whole numbers with the following property: square the two smaller numbers and add them together and you get the third number squared. For example, 3, 4, 5 is a Pythagorean triple because $3^2 + 4^2 = 5^2$. What number less than 10 will make a Pythagorean triple with 12 and 13?

10 Evaluate $\sqrt[3]{27}$.

Practice
1A mark:
/10

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This side of this worksheet reviews number skills. The other side of this worksheet refers to *Pearson Mathematics 7* Chapter 1 'Whole numbers' sections 1.3 and 1.4.

1 Complete the table below:

	5	10	9	2	4	11	6	8	12
$\times 10$									

2 Complete the table below:

	90	30	60	110	10	120	70	40	100
$\div 10$									

3 Evaluate $800 \div 10$.

4 Evaluate 105×12 .

5 What are the next three numbers in the sequence?

1, 2, 4, 8, ...

6 Which of these numbers are multiples of 6?

3, 24, 1, 96, 6

7 Evaluate $2 \times 4 - 3 \times 2$.

8 Evaluate $\frac{3}{8} \times \frac{1}{3}$.

9 What is 0.46 rounded to 1 decimal place?

10 In a recent basketball game, Thao got 4 of her 5 shots in. What is this as a percentage?

11 Evaluate $1.2 + 2.4$.

12 Evaluate 1^3 .

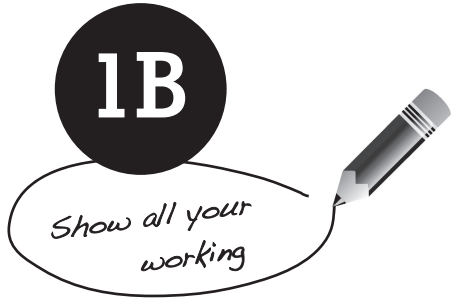
13 If $9 - * = 4$, find the value of $*$.

14 If $\nabla = 1$, what is the value of the expression $12 \div \nabla - 5$?

15 Measure this angle using a protractor.

16 Decide whether you would describe the event 'I will eat lunch tomorrow' as 'impossible', 'not likely', 'likely' or 'certain'.

17 How many metres are in 3400 cm?



Show all your
working

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1 Calculate 18×6 using the 'work in stages' strategy.

2 Calculate 18×22 using an array.

3 Calculate 600×12 .

4 Calculate $2700 \div 30$ using any suitable strategy.

5 You can buy tickets to the movies in bulk.
If 20 tickets cost \$240, how much does one ticket cost?

6 Sienna estimates that she sends 22 text messages per day. Calculate how many text messages she would send in a month with 30 days.

7 Round 449 to the first digit.

8 Estimate 52×41 by rounding to the first digit. State whether the actual answer will be higher or lower than the estimate.

9 Use rounding to the first digit to estimate an answer to $4545 \div 52$. State whether the actual answer will be higher or lower than the estimate.

10 Estimate $1363 - 947$ by first rounding each number to the nearest 10.

Practice
1B mark:
/10

Whole numbers

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This side of this worksheet reviews number skills. The other side of this worksheet refers to *Pearson Mathematics 7* Chapter 1 'Whole numbers' sections 1.5 and 1.6.

1 Complete the table below:

	12	2	7	9	4	11	6	8	3
$\times 7$									

2 Complete the table below:

	21	56	84	35	77	49	63	28	42
$\div 7$									

3 Evaluate 562×10 .

4 Evaluate 712×21 .

5 What are the next three numbers in the sequence?

1, 2, 4, 7, 11, ...

6 State which of these numbers are prime numbers.

2, 3, 4, 5, 6, 7, 8

7 Evaluate $12 - 5 \times 2$.

8 Evaluate $1\frac{1}{2} - \frac{1}{2}$.

9 Insert a $<$ or $>$ symbol to make the statement true.

$\frac{3}{4}$ $\frac{3}{5}$

10 A contestant on a television game show got 6 out of 10 questions correct. What is this as a percentage?

11 Evaluate $4.5 \div 9$.

12 Evaluate $\sqrt{16}$.

13 If $\Delta + 5 = 25$, find the value of Δ .

14 If $\odot = 5$, what is the value of the expression $3 \times (5 - \odot) + 1$?

15 How many sides does a pentagon have?

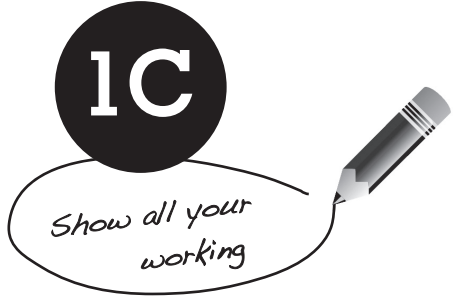
16 The students in a class were surveyed on their favourite type of sport.

Sport	Frequency
Netball	4
Soccer	7
AFL	8
Basketball	6
Other	1
Total	26

What was the second most popular sport?

17 Find the perimeter (in millimetres) of a rectangle that has width 12 mm and length 20 mm.

Show all your
working



This side of this worksheet covers *Pearson Mathematics 7* Chapter 1 'Whole numbers' sections 1.5 and 1.6.

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1 Evaluate $16 + 10 \div 2 - 5$.

2 Evaluate $12 + 30 \div (2 \times 5) - 10 + 3 \times 2$.

3 Insert brackets to make this statement true:
 $5 + 6 \times 3 - 10 = 23$

4 Insert brackets to make this statement true:
 $4 + 6 \div 3 - 1 = 7$

5 Complete the following using each of the numbers 1, 2, 4, 6 and 12 once only.

_____ + (_____ + _____) \div _____ - _____ = 12

6 Two numbers have a sum of 15 and a product of 54. What are the two numbers?

7 Caden completed 4.2 km of deliveries from the pharmacy straight after school. He then went to the supermarket, which was a 1.5 km trip each way. After this he went for a 5.5 km jog to train for a cross-country run. How far did he travel altogether?

8 Jackie wants to buy some seedlings. She can buy 3 for 90 cents or 6 for \$1.50. Which option is better value for money?

9 Taavi is training for the school athletics carnival. How many laps of a 400 m track will Taavi need to do to jog 3.6 km altogether?

10 If Akio's dad is 179 cm tall and Akio is 141 cm tall, what is the difference in their heights?

Practice
1C mark:
/10