



# Worksheet 7

Year 3 Mathematics — Australian Curriculum v9.0

Subtopic: Recall Multiplication Facts for 2, 3, 4, 5 and 10

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Score: \_\_\_\_\_ / 30

## Section 1: Fluency — Visual Groups (Questions 1–10)

**Instructions:** Write the repeated addition and multiplication fact for these groups.

**Question 1:**

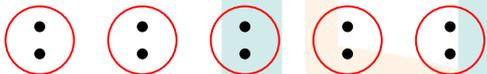


3 groups of 5

Repeated Addition: \_\_\_\_\_

Multiplication: \_\_\_\_\_

**Question 2:**

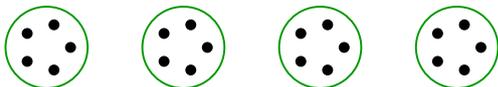


5 groups of 2

Repeated Addition: \_\_\_\_\_

Multiplication: \_\_\_\_\_

**Question 3:**



4 groups of 5

Repeated Addition: \_\_\_\_\_

Multiplication: \_\_\_\_\_

**Question 4:** Draw 6 groups of 2 dots.



Multiplication: \_\_\_\_\_

Question 5:



3 groups of 10

Repeated Addition: \_\_\_\_\_

Multiplication: \_\_\_\_\_

Question 6: Write the multiplication fact: 7 groups of 5.

Answer: \_\_\_\_\_

Question 7: Write the repeated addition: 4 groups of 10.

Answer: \_\_\_\_\_

Question 8:



8 groups of 2

Repeated Addition: \_\_\_\_\_

Multiplication: \_\_\_\_\_

Question 9: Complete:  $6 \times 10 = 10 + 10 + 10 + \dots + \dots + \dots$



Answer: \_\_\_\_\_

**Question 10:** Write the multiplication fact for:  $5 + 5 + 5 + 5 + 5 + 5 + 5$

Answer: \_\_\_\_\_



**Good Job!**

Why did the two 4s skip lunch? Because they already 8 (ate)!

## Section 2: Reasoning — Word Problems (Questions 11–20)

**Instructions:** Solve these word problems using multiplication.

**Question 11:** There are 5 koalas. Each koala has 2 ears. How many ears in total?

Answer: \_\_\_\_\_

**Question 12:** 10 students have 10 cents each. How many cents in total?

Answer: \_\_\_\_\_

**Question 13:** A pack contains 5 pencils. How many pencils are in 6 packs?

Answer: \_\_\_\_\_



**Question 14:** Each pair of shoes has 2 shoes. If there are 9 pairs, how many shoes are there?

**Answer:** \_\_\_\_\_

**Question 15:** A pentagonal sign has 5 sides. How many sides do 8 pentagonal signs have?

**Answer:** \_\_\_\_\_

**Question 16:** Each netball team has 5 players. How many players are in 7 teams?

**Answer:** \_\_\_\_\_

**Question 17:** A bicycle has 2 wheels. How many wheels do 12 bicycles have?

**Answer:** \_\_\_\_\_

**Question 18:** Each box contains 10 chocolates. How many chocolates are in 9 boxes?

**Answer:** \_\_\_\_\_



**Question 19:** A starfish has 5 arms. How many arms do 9 starfish have?

**Answer:** \_\_\_\_\_

**Question 20:** Each hand has 5 fingers. How many fingers are on 4 hands?

**Answer:** \_\_\_\_\_



**Good Job!**

What do you call friends who love maths? Algebros!

### Section 3: Challenge — Missing Numbers (Questions 21–30)

**Instructions:** Fill in the missing numbers.

**Question 21:**  $5 \times \underline{\quad} = 35$

**Answer:** \_\_\_\_\_

**Question 22:**  $\underline{\quad} \times 10 = 90$

**Answer:** \_\_\_\_\_

**Question 23:**  $2 \times \underline{\quad} = 18$



Answer: \_\_\_\_\_

Question 24:  $\dots \times 5 = 45$

Answer: \_\_\_\_\_

Question 25:  $10 \times \dots = 70$

Answer: \_\_\_\_\_

Question 26:  $\dots \times 2 = 20$

Answer: \_\_\_\_\_

Question 27:  $5 \times \dots = 50$

Answer: \_\_\_\_\_

Question 28:  $\dots \times 10 = 120$

Answer: \_\_\_\_\_



Question 29:  $2 \times \underline{\quad} = 16$

Answer: \_\_\_\_\_

Question 30:  $\underline{\quad} \times 5 = 60$

Answer: \_\_\_\_\_



**Good Job!**

Why is 6 afraid of 7? Because 7 eight 9!

**Excellent Work! You've completed Worksheet 7!**



# Answer Key — Worksheet 7

## Year 3 Mathematics

### Section 1: Fluency

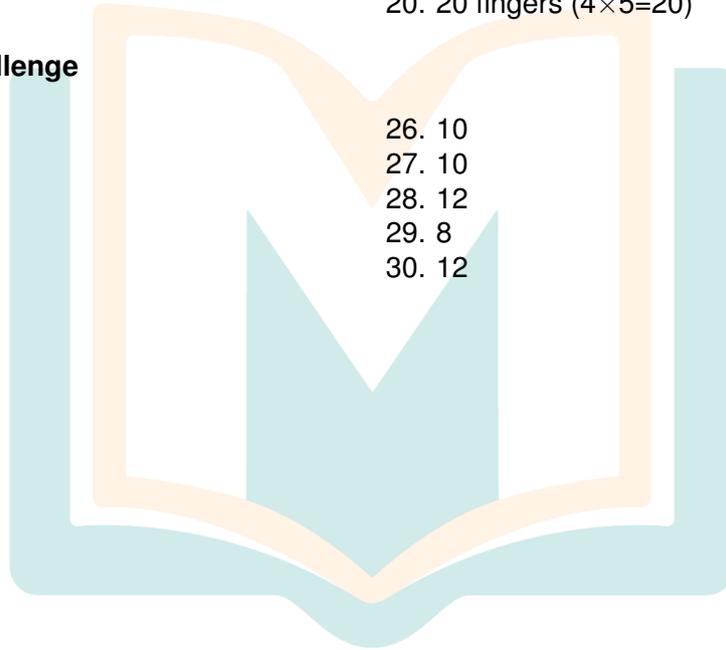
1.  $5+5+5=15$ ;  $3\times 5=15$
2.  $2+2+2+2+2=10$ ;  $5\times 2=10$
3.  $5+5+5+5=20$ ;  $4\times 5=20$
4.  $6\times 2=12$
5.  $10+10+10=30$ ;  $3\times 10=30$
6.  $7\times 5=35$
7.  $10+10+10+10=40$
8.  $2+2+2+2+2+2+2+2=16$ ;  $8\times 2=16$
9.  $10+10+10$
10.  $7\times 5=35$

### Section 2: Reasoning

11. 10 ears ( $5\times 2=10$ )
12. 100 cents ( $10\times 10=100$ )
13. 30 pencils ( $6\times 5=30$ )
14. 18 shoes ( $9\times 2=18$ )
15. 40 sides ( $8\times 5=40$ )
16. 35 players ( $7\times 5=35$ )
17. 24 wheels ( $12\times 2=24$ )
18. 90 chocolates ( $9\times 10=90$ )
19. 45 arms ( $9\times 5=45$ )
20. 20 fingers ( $4\times 5=20$ )

### Section 3: Challenge

21. 7
22. 9
23. 9
24. 9
25. 7
26. 10
27. 10
28. 12
29. 8
30. 12





## Worksheet 8

Year 3 Mathematics — Australian Curriculum v9.0

Subtopic: Recall Multiplication Facts for 2, 3, 4, 5 and 10

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Score: \_\_\_\_\_ / 30

### Section 1: Fluency — Arrays (Questions 1–10)

**Instructions:** Write the multiplication fact for each array.

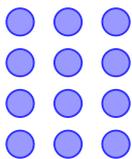
**Question 1:**



3 rows of 4

Answer: \_\_\_\_\_

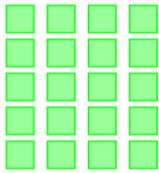
**Question 2:**



4 rows of 3

Answer: \_\_\_\_\_

**Question 3:**



5 rows of 4

Answer: \_\_\_\_\_

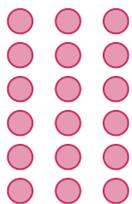
Question 4:



2 rows of 3

Answer: \_\_\_\_\_

Question 5:



6 rows of 3

Answer: \_\_\_\_\_

Question 6: Draw an array for  $7 \times 4$  (7 rows of 4).



Answer: \_\_\_\_\_

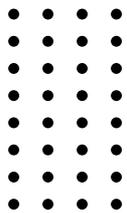
Question 7:



3 rows of 3

Answer: \_\_\_\_\_

Question 8:



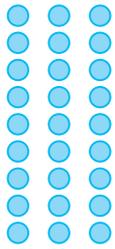
8 rows of 4

Answer: \_\_\_\_\_

Question 9: What multiplication fact is shown by an array with 4 rows and 4 columns?

Answer: \_\_\_\_\_

Question 10:



9 rows of 3

Answer: \_\_\_\_\_



**Good Job!**

What did the zero say to the eight? Nice belt!

## Section 2: Reasoning — Skip Counting Patterns (Questions 11–20)

**Instructions:** Complete the patterns and solve the problems.

**Question 11:** Count by 3s: 3, 6, 9, \_\_\_\_, \_\_\_\_, \_\_\_\_

Answer: \_\_\_\_\_

**Question 12:** Count by 4s: 4, 8, 12, \_\_\_\_, \_\_\_\_, \_\_\_\_

Answer: \_\_\_\_\_

**Question 13:** A spider has 8 legs. A chair has 4 legs. How many legs do 5 chairs have?



Answer: \_\_\_\_\_

**Question 14:** Count backwards by 3s: 30, 27, 24, \_\_\_\_, \_\_\_\_, \_\_\_\_

Answer: \_\_\_\_\_

**Question 15:** A tricycle has 3 wheels. How many wheels do 8 tricycles have?

Answer: \_\_\_\_\_

**Question 16:** Fill in the pattern: 4, 8, 12, 16, \_\_\_\_, \_\_\_\_, 28

Answer: \_\_\_\_\_

**Question 17:** Each square has 4 corners. How many corners do 9 squares have?

Answer: \_\_\_\_\_

**Question 18:** Skip count by 3s to complete: 15, 18, 21, \_\_\_\_, \_\_\_\_

Answer: \_\_\_\_\_



**Question 19:** A car has 4 wheels. A motorbike has 2 wheels. How many wheels do 6 cars have?

**Answer:** \_\_\_\_\_

**Question 20:** What is the 7th number in the 4 times table?

**Answer:** \_\_\_\_\_



**Good Job!**

Why did the student do multiplication on the floor? The teacher told them not to use tables!

**Section 3: Challenge — Mixed Logic (Questions 21–30)**

**Instructions:** Solve these multiplication puzzles.

**Question 21:** I am a number in the 3 times table. I am larger than 20 but smaller than 25. Who am I?

**Answer:** \_\_\_\_\_

**Question 22:** I am a number in the 4 times table. I am between 30 and 40. Who am I?

**Answer:** \_\_\_\_\_



**Question 23:**  $3 \times 4 = 4 \times \dots$ . What is the missing number?

**Answer:** \_\_\_\_\_

**Question 24:** If  $5 \times 6 = 30$ , what is  $6 \times 5$ ?

**Answer:** \_\_\_\_\_

**Question 25:** Double  $4 \times 3$ . What is your answer?

**Answer:** \_\_\_\_\_

**Question 26:** I am the product of 3 and 9. Who am I?

**Answer:** \_\_\_\_\_

**Question 27:** True or False:  $4 \times 5 = 5 \times 4$

**Answer:** \_\_\_\_\_

**Question 28:** What is half of  $4 \times 10$ ?



Answer: \_\_\_\_\_

**Question 29:** If  $3 \times 7 = 21$ , what is  $3 \times 8$ ?

Answer: \_\_\_\_\_

**Question 30:** Sam has 4 bags with 6 marbles in each bag. How many marbles does Sam have?

Answer: \_\_\_\_\_



**Good Job!**

What do you get when you cross maths with a tree? Square roots!

**Brilliant! You've completed Worksheet 8!**



# Answer Key — Worksheet 8

## Year 3 Mathematics

### Section 1: Fluency

1.  $3 \times 4 = 12$
2.  $4 \times 3 = 12$
3.  $5 \times 4 = 20$
4.  $2 \times 3 = 6$
5.  $6 \times 3 = 18$
6.  $7 \times 4 = 28$
7.  $3 \times 3 = 9$
8.  $8 \times 4 = 32$
9.  $4 \times 4 = 16$
10.  $9 \times 3 = 27$

### Section 3: Challenge

21. 21 or 24 (accept 21)
22. 32 or 36 (accept either)
23. 3
24. 30
25. 24 ( $4 \times 3 = 12$ , double = 24)

### Section 2: Reasoning

11. 12, 15, 18
12. 16, 20, 24
13. 20 legs ( $5 \times 4 = 20$ )
14. 21, 18, 15
15. 24 wheels ( $8 \times 3 = 24$ )
16. 20, 24
17. 36 corners ( $9 \times 4 = 36$ )
18. 24, 27
19. 24 wheels ( $6 \times 4 = 24$ )
20. 28 ( $7 \times 4 = 28$ )

26. 27
27. True
28. 20 (half of 40)
29. 24
30. 24 marbles ( $4 \times 6 = 24$ )

