

Name _____ Date _____

Master 3.29

Extra Practice 1**Lesson 1: Strategies for Addition Facts**

1. Add. Using doubles facts might help you.
a) $5 + 6$ b) $8 + 6$ c) $2 + 3$
2. Add. Making or using ten might help you.
a) $9 + 5$ b) $8 + 4$ c) $7 + 4$
3. Sonya bought 13 cookies at the bake sale. When she took the cookies home, her brother ate 7 of them. How many cookies does Sonya have left?

Lesson 2: Relating Addition and Subtraction

1. Write the related facts for each fact.
a) $7 + 8 = 15$ b) $3 + 8 = 11$
c) $14 - 9 = 5$ d) $11 - 7 = 4$
2. Write a set of related facts that uses each set of numbers.
a) 16, 8, 8 b) 7, 5, 12
c) 9, 4, 13 d) 8, 6, 14
3. There are 13 children on the bus. Seven are from Grade 2. The rest are from Grade 3. How many are from Grade 3?

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Extra Practice 2**Lesson 3: Addition and Subtraction Equations**

1. Solve each equation. Explain your strategy.

a) $\square + 7 = 17$

b) $\square - 6 = 11$

c) $\square - 4 = 7$

d) $18 - \square = 5$

For questions 2 and 3, write an equation with a missing number. Solve the equation with a strategy of your choice.

2. Eva had 13 animal stickers.
She gave some of her animal stickers to Kris.
Eva has 6 stickers left. How many stickers did Eva give to Kris?
3. There are 7 soccer balls in a bin.
Shawna put some more soccer balls in the bin.
Now there are 12 soccer balls in the bin.
How many soccer balls did Shawna put into the bin?

Lesson 4: Estimating Sums

1. Which number is the better estimate for each sum?
a) $57 + 79 = 130$ or 140 ? b) $12 + 37 = 50$ or 60 ?
2. Nemo and Dory went to the local pet store.
Nemo counted 32 orange clown fish. Dory counted 24 blue tetras.
About how many fish did they count altogether?
3. Stella has 39 movies on DVD and 27 movies on videotape.
About how many movies does Stella have?

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Extra Practice 3**Lesson 5: Adding 2-Digit Numbers**

1. Add.
 - a) $52 + 16$
 - b) $63 + 11$
 - c) $48 + 25$
 - d) $37 + 49$
2. Add. What patterns do you see?
 - a) $30 + 30$
 $31 + 29$
 $32 + 28$
 $33 + 27$
 - b) $20 + 10$
 $20 + 11$
 $20 + 12$
 $20 + 13$
3. Mr. DeCastro's class is collecting cereal boxes for an art project. On Monday, the children brought in 26 boxes. On Wednesday, the children brought in 48 boxes. How many boxes did they bring in altogether?

Lesson 6: Using Mental Math to Add

1. Add.
 - a) $22 + 49$
 - b) $33 + 25$
 - c) $34 + 57$
 - d) $66 + 14$
2. Justin and Priya went apple picking. Justin picked 34 apples and Priya picked 28 apples. How many apples did they pick altogether?
3. During a car ride, Romy and Victor decided to count trucks. Romy counted 33 silver trucks and Victor counted 57 black trucks. How many trucks did they count altogether?

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Extra Practice 4**Lesson 7: Adding 3-Digit Numbers**

1. Add.
a)
$$\begin{array}{r} 369 \\ + 246 \\ \hline \end{array}$$
 b)
$$\begin{array}{r} 357 \\ + 591 \\ \hline \end{array}$$
 c)
$$\begin{array}{r} 508 \\ + 435 \\ \hline \end{array}$$
 d)
$$\begin{array}{r} 735 \\ + 123 \\ \hline \end{array}$$
2. Add. See how many you can do mentally.
a) $235 + 360$ b) $426 + 534$
c) $175 + 300$ d) $632 + 228$
3. A store sold 136 pairs of shoes on Friday and 278 pairs of shoes on Saturday.
How many pairs of shoes did the store sell over the 2 days?

Lesson 8: Estimating Differences

1. Which number is the better estimate for each sum?
a) $76 - 45 = 20$ or 30 ? b) $56 - 17 = 30$ or 40 ?
2. Anika had 78 stickers. She gave away 57 stickers.
About how many stickers does Anika have now?
3. There are 83 people at a picnic.
Twenty-nine people leave to go to a soccer game.
About how many people are still at the picnic?

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Extra Practice 5

Lesson 9: Subtracting 2-Digit Numbers

- Subtract.
 - $76 - 33$
 - $88 - 45$
 - $55 - 27$
 - $51 - 29$
- Subtract. What patterns do you see?
 - $50 - 30$
 - $55 - 30$
 - $51 - 31$
 - $55 - 31$
 - $52 - 32$
 - $55 - 32$
 - $53 - 33$
 - $55 - 33$
- Mr. DeCastro's class is collecting cereal boxes for an art project. On Monday, the children brought in 26 boxes. On Wednesday, the children brought in 43 boxes. How many more boxes did they bring on Wednesday than on Monday?

Lesson 10: Using Mental Math to Subtract

- Subtract.
 - $35 - 17$
 - $78 - 55$
 - $56 - 49$
 - $67 - 25$
 - $47 - 18$
 - $99 - 77$
- Subtract. What patterns do you see?
 - $58 - 10$
 - $99 - 10$
 - $58 - 20$
 - $89 - 20$
 - $58 - 30$
 - $79 - 30$
 - $58 - 40$
 - $69 - 40$
- There were 37 vans in the parking lot. More vans parked, and then there were 53 vans. How many more vans parked?

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Extra Practice 6

Lesson 11: Subtracting 3-Digit Numbers

1. Subtract.

a)
$$\begin{array}{r} 864 \\ - 231 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 758 \\ - 494 \\ \hline \end{array}$$

c)
$$\begin{array}{r} 675 \\ - 111 \\ \hline \end{array}$$

d)
$$\begin{array}{r} 937 \\ - 556 \\ \hline \end{array}$$

2. Subtract.

a) $438 - 370$

b) $842 - 767$

c) $321 - 222$

d) $500 - 228$

3. Mrs. Kamel's class has 565 coloured cubes.
Mr. Reeve's class has 954.
How many more coloured cubes does Mr. Reeve's class have?

Lesson 12: Solving Addition and Subtraction Problems

1. Parkside School was collecting things to recycle.
Children brought in 277 cans and 125 bottles.
How many cans and bottles were brought in?
2. Fasil's dad went on a business trip.
On the first day, he drove 358 km.
On the second day, he drove 521 km.
How much farther did he drive on the second day?
3. Aaron and Asif collected cans for a recycling drive at their school.
Aaron collected 387 cans and Asif collected 278 cans.
- Who collected more cans?
 - How many more cans did he collect?
 - How many cans did they collect altogether?

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Extra Practice Sample Answers

Extra Practice 1 – Master 3.29

Lesson 1

- a) 11 b) 14 c) 5
- a) 14 b) 12 c) 11
- Sonia has 6 cookies left.

Lesson 2

- $8 + 7 = 15$, $15 - 7 = 8$, $15 - 8 = 7$
 - $8 + 3 = 11$, $11 - 3 = 8$, $11 - 8 = 3$
 - $14 - 5 = 9$, $5 + 9 = 14$, $9 + 5 = 14$
 - $11 - 4 = 7$, $4 + 7 = 11$, $7 + 4 = 11$
- $8 + 8 = 16$, $16 - 8 = 8$
 - $7 + 5 = 12$, $5 + 7 = 12$, $12 - 5 = 7$,
 $12 - 7 = 5$
 - $4 + 9 = 13$, $9 + 4 = 13$, $13 - 4 = 9$,
 $13 - 9 = 4$
 - $8 + 6 = 14$, $6 + 8 = 14$, $14 - 6 = 8$,
 $14 - 8 = 6$
- Six children are from Grade 3.

Extra Practice 2 – Master 3.30

Lesson 3

- I used related facts.
 - 10 b) 16
 - 11 d) 13
- $13 - \square = 6$; Eva gave 7 stickers to Kris.
- $7 + \square = 12$; Shawna put 5 soccer balls in the bin.

Lesson 4

- a) 130 b) 60
- They counted about 50 fish altogether.
- Stella has about 70 movies.

Extra Practice 3 – Master 3.31

Lesson 5

- a) 68 b) 74 c) 73 d) 86
- 60, 60, 60, 60
The first number starts at 30 and increases by 1 each time. The second number starts at 30 and decreases by 1 each time. The sum is 60 each time.
 - 30, 31, 32, 33
The first number is always 20. The second number starts at 10 and increases by 1 each time. The answers increase by 1 each time.
- They bought in 74 boxes altogether.

Lesson 6

- a) 71 b) 58 c) 91 d) 80
- They picked 62 apples altogether.
- They counted 90 trucks altogether.

Extra Practice 4 – Master 3.32

Lesson 7

- 615 b) 948
 - 943 d) 858
- 595 b) 960
 - 475 d) 860
- The store sold 414 shoes over the 2 days.

Lesson 8

- a) 30 b) 40
- Anika has about 20 stickers left.
- There are about 50 people still at the picnic.

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Master 3.35b**Extra Practice Sample Answers, continued****Extra Practice 5 – Master 3.33****Lesson 9**

- a) 43 b) 43 c) 28 d) 22
- a) 30, 30, 30, 30
The first number starts at 50 and increases by 1 each time. The second number starts at 30 and increases by 1 each time. The difference is 30 each time.

b) 25, 24, 23, 22
The first number is always 55. The second number starts at 30 and increases by 1 each time. The answers decrease by 1 each time.
- They bought in 17 more boxes on Wednesday.

Lesson 10

- a) 18 b) 23 c) 7
d) 42 e) 29 f) 22
- a) 48, 38, 28, 10 b) 89, 79, 69, 59

- Sixteen more vans parked.

Extra Practice 6 – Master 3.34**Lesson 11**

- a) 633 b) 264
c) 564 d) 381
- a) 68 b) 75
c) 99 d) 272
- Mr. Reeve's class has 389 more coloured cubes.

Lesson 12

- There were 152 cans and bottles brought in to recycle.
- Fasil's dad drove 163 km more on the second day.
- a) Aaron collected more cans.
b) Aaron collected 109 more cans.
c) Aaron and Asif collected 665 cans altogether.