DraftKids

PRINTABLE · GRADES 3-5 · AGES 8–11

Huddle Up Division

Football season is rolling, and every team needs things shared out fairly: footballs, vans, cones and snacks. Divide, find the remainder, and decide what it means. Every team on this sheet is made up.

Name _____

Date _____

DIVISION TOOLKIT

Dividend — the number being shared

Divisor — the size or number of equal groups

Quotient — how many in each group (or groups)

Remainder — what is left over, less than the divisor

Check it — divisor × quotient + remainder

COACH'S CHECK

47 ÷ 5 = 9 R2

5 × 9 + 2 = 47 ✓

MULTIPLY TO CHECK

EQUAL GROUPS · 27 FOOTBALLS, 6 IN EACH BAG



27 ÷ 6 = 4 R3 · 4 full bags and 3 footballs left over · Check: 6 × 4 + 3 = 27

ROOKIE

1 The Maple City Moose have **48** water bottles. They put **6** bottles in each cooler. How many coolers do they fill?

WORK SPACE

_____ **coolers**

ROOKIE

2 At practice, **72** players warm up in **9** equal lines. How many players are in each line?

WORK SPACE

_____ **players**

STARTER

3 The Bayport Pelicans have **29** footballs. The coach puts **4** footballs in each bag. How many footballs are **left over**?

WORK SPACE

_____ **footballs**

STARTER

4 The equipment manager splits **156** cones equally among **3** practice fields. How many cones go on each field?

WORK SPACE

_____ **cones**

PRO

5 **53** players are riding to the game. Each van holds **8** players. How many vans are needed so every player has a seat?

WORK SPACE

_____ **vans**

PRO

6 The snack table has **38** orange slices. Each player gets **5** slices. How many players get a full **5** slices?

WORK SPACE

_____ **players**

ALL-STAR

7 The Ridgeport Rams sold **1,248** tickets. The same number of fans came in through each of the **4** gates. How many fans used each gate?

WORK SPACE

_____ **fans**

CHALLENGE ★

8 Challenge: A coach split the players into **6** equal huddles of **9** players. There were **4** players left over. How many players were there in all?

WORK SPACE

_____ **players**

A Road Trip Planner

Four made-up teams are traveling to away games. Every traveler needs a seat.

TEAM	TRAVELERS	RIDE
Harbor City Gulls	62	van (8 seats)
Pine Ridge Bears	96	bus (24 seats)
CedarValley Owls	85	van (12 seats)
Lakeside Comets	54	van (9 seats)

Made-up teams and numbers.
A van or bus can leave with empty seats.

1. The Gulls have **62** travelers. Each van holds **8**. How many vans do the Gulls need so everyone rides?

_____ **vans**

2. The Comets have **54** travelers. Each van holds **9**. How many vans do the Comets need?

_____ **vans**

3. The Owls have **85** travelers. Each van holds **12**. They fill every van they can. How many people ride in the last van?

_____ **people**

4. Which team needs the **fewest** vans or buses for its trip?

_____

B What Does the Remainder Mean?

Divide. Then fill in the circle that tells what to do with the remainder, and write the answer.

1. The Frost Bay Penguins have **43** hockey pucks. Each bucket holds **10** pucks. How many buckets are needed to hold all the pucks?

WORK SPACE

THE REMAINDER: ○ **Add one more** ○ **Drop it** ○ **It's the answer**

_____ **buckets**

2. A coach has **70** stickers. Each player gets **8** stickers. How many players get all **8** stickers?

WORK SPACE

THE REMAINDER: ○ **Add one more** ○ **Drop it** ○ **It's the answer**

_____ **players**

3. The Sun Valley Hawks have **50** basketballs. Each rack holds **6**. They fill as many racks as they can. How many basketballs are left over?

WORK SPACE

THE REMAINDER: ○ **Add one more** ○ **Drop it** ○ **It's the answer**

_____ **basketballs**

4. A soccer team of **26** players goes to dinner. Each table seats **4**. How many tables are needed so everyone can sit?

WORK SPACE

THE REMAINDER: ○ **Add one more** ○ **Drop it** ○ **It's the answer**

_____ **tables**

C Long Division Drive

Divide bigger numbers. Check each answer by multiplying.

1. The Granite Falls Goats gained **368** rushing yards in **4** games. They gained the same number of yards each game. How many yards did they gain in each game?

WORK SPACE

_____ **yards**

2. A stadium has **245** seats in the end zone. The seats are split equally into **7** sections. How many seats are in each section?

WORK SPACE

_____ **seats**

3. The snack stand sold **1,626** pretzels over **6** home games. It sold the same number at each game. How many pretzels were sold at each game?

WORK SPACE

_____ **pretzels**

4. Challenge: Riley says 97 ÷ 5 = 18 R7. The remainder must be less than the divisor, so Riley made a mistake. What is the correct answer?

WORK SPACE

97 ÷ 5 = _____ **R** _____

Answer Key (for teachers & parents)

Answers for **Huddle Up Division**, with the work shown. Print pages 1 and 2 for students and keep this page for checking. In Section B, give credit for the answer even if the circle choice is left blank.

Page 1 Problems

1. **Answer: 8 coolers**
   48 ÷ 6 = 8. Check: 6 × 8 = 48.
2. **Answer: 8 players**
   72 ÷ 9 = 8. Check: 9 × 8 = 72.
3. **Answer: 1 football**
   29 ÷ 4 = 7 R1. 7 full bags use 28 footballs.
4. **Answer: 52 cones**
   156 ÷ 3 = 52. Check: 3 × 52 = 156.
5. **Answer: 7 vans**
   53 ÷ 8 = 6 R5. The 5 extra players need one more van.
6. **Answer: 7 players**
   38 ÷ 5 = 7 R3. The 3 extra slices are not a full share.
7. **Answer: 312 fans**
   1,248 ÷ 4 = 312. Check: 4 × 312 = 1,248.
8. **Answer: 58 players**
   6 × 9 = 54, then 54 + 4 = 58.

A · Road Trip Planner

1. **Answer: 8 vans**
   62 ÷ 8 = 7 R6. The 6 extra travelers need an 8th van.
2. **Answer: 6 vans**
   54 ÷ 9 = 6 with no remainder.
3. **Answer: 1 person**
   85 ÷ 12 = 7 R1. 7 full vans carry 84 people.
4. **Answer: Pine Ridge Bears**
   96 ÷ 24 = 4 buses. Gulls 8, Owls 8, Comets 6.

Quick score

Page 1 problems	_____ / 8
A · Road Trip	_____ / 4
B · Remainders	_____ / 4
C · Long Division	_____ / 4
Total	**_____ / 20**

Skills practiced

Division facts · Division with remainders · Interpreting remainders · Long division · Checking with multiplication · Word problems

Teaching tip: Before students divide, ask, "What are we sharing, and what is one group?" After they divide, ask, "What do the leftovers mean here?" Vans and tables need one more, full shares drop the extras, and "left over" questions want the remainder itself.

B · What Does the Remainder Mean?

1. **Answer: 5 buckets (add one more)**
   43 ÷ 10 = 4 R3. The 3 extra pucks need a bucket.
2. **Answer: 8 players (drop it)**
   70 ÷ 8 = 8 R6. 6 stickers is not a full share.
3. **Answer: 2 basketballs (it's the answer)**
   50 ÷ 6 = 8 R2. 8 racks hold 48.
4. **Answer: 7 tables (add one more)**
   26 ÷ 4 = 6 R2. The 2 extra players need a table.

C · Long Division Drive

1. **Answer: 92 yards**
   368 ÷ 4 = 92. Check: 4 × 92 = 368.
2. **Answer: 35 seats**
   245 ÷ 7 = 35. Check: 7 × 35 = 245.
3. **Answer: 271 pretzels**
   1,626 ÷ 6 = 271. Check: 6 × 271 = 1,626.
4. **Answer: 19 R2**
   7 is more than 5, so one more 5 fits: 5 × 19 + 2 = 97.

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